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VALIDATED PRODUCTS LIST 1994 No. 3

**Programming Languages
Database Language SQL
Graphics
GOSIP
POSIX
Computer Security**

**Judy B. Kailey
Peggy N. Himes
Editors**

U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of Standards
and Technology
Computer Systems Laboratory
Software Standards Validation Group
Gaithersburg, MD 20899

July 1994

(Supersedes April 1994 issue)

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**U.S. DEPARTMENT OF COMMERCE
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**TECHNOLOGY ADMINISTRATION
Mary L. Good, Under Secretary for Technology**

**NATIONAL INSTITUTE OF STANDARDS
AND TECHNOLOGY
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FOREWORD

The Validated Products List is a collection of registers describing implementations of Federal Information Processing Standards (FIPS) that have been validated for conformance to FIPS. The Validated Products List also contains information about the organizations, test methods and procedures that support the validation programs for the FIPS identified in this document.

The Validated Products List is updated quarterly.

TABLE OF CONTENTS

1. INTRODUCTION	1-1
1.1 Purpose	1-1
1.2 Document Organization	1-2
1.2.1 Programming Languages	1-2
1.2.2 Database Language SQL	1-2
1.2.3 Graphics	1-2
1.2.4 GOSIP	1-2
1.2.5 POSIX	1-2
1.2.6 Computer Security	1-2
1.2.7 FIPS Conformance Testing Products	1-2
2. PROGRAMMING LANGUAGES	2-1
2.1 FIPS Programming Language Standards	2-1
2.2 Organization of Programming Language Processor Entries	2-1
2.3 Validation of Processors	2-2
2.3.1 Validation Requirements	2-2
2.3.2 Placement in the List	2-3
2.3.3 Removal from the List	2-3
2.3.4 Validation Procedures	2-3
2.4 Certificate of Validation	2-3
2.5 Language Processor Validation Suites	2-4
2.6 Testing Laboratories and Supporting Organizations	2-5
2.7 Language Processors with Certificates - No Nonconformities	2-7
2.7.1 COBOL Processors	2-7
2.7.2 Fortran Processors	2-12
2.7.3 Ada Processors	2-17
2.7.4 Pascal Processors	2-54
2.7.5 C Processors	2-56
2.7.6 Mumps Processors	2-59
2.8 Language Processors with Registered Reports Only	2-60
3. DATABASE LANGUAGE (SQL)	3-1
3.1 FIPS Database Language Standards	3-1
3.2 Organization of Database Language Processor Entries	3-1
3.3 Validation Requirements	3-2
3.4 Certificate of Validation	3-2
3.5 Registered Report	3-2
3.6 Validation Procedures	3-2
3.7 SQL Validation System	3-2
3.8 SQL Processors	3-3
4. GRAPHICS CONFORMANCE TESTING	4-1
4.1 FIPS GKS Standard	4-1
4.1.1 Organization of GKS Entries	4-1
4.2 FIPS PHIGS Standard	4-2
4.2.1 Organization of PHIGS Entries	4-2
4.3 FIPS CGM Standard	4-3
4.3.1 CGM Test Labs and Test Suite	4-3
4.3.2 Certificate of Validation	4-3

4.3.3	Validated Metafiles	4-3
4.4	Raster Graphics Standards	4-4
4.4.1	Certificate of Validation	4-4
4.4.2	Information Pack	4-4
4.5	GKS Implementations	4-5
4.6	Computer Graphics Metafiles	4-6
4.7	PHIGS Applications	4-7
5.	U.S. GOSIP Testing Program Register Database System (GRD)	5-1
5.1	Description	5-1
5.2	U.S. GOSIP Register Database (GRD)	5-1
5.3	How To Access The GOSIP Register Database (GRD)	5-1
5.4	GOSIP Registers	5-3
5.4.1	Register of Conformance Testing Laboratories	5-3
5.4.2	Register of Approved US GOSIP MOT Validation Laboratories	5-5
5.4.3	GOSIP Register Database: Conformance Tested Products	5-6
5.4.4	Register of GOSIP Interoperability Test Suites	5-68
5.4.5	Register of GOSIP Interoperability Test and Registration Services	5-68
5.4.6	Register of GOSIP Means of Testing	5-69
5.4.7	Protocol Implementation Conformance Statements Register	5-80
5.4.8	Abstract Test Suites Conformance Register	5-83
6.	NIST POSIX CONFORMANCE TESTING	6-1
6.1	FIPS POSIX Standard	6-1
6.2	POSIX Test Procedures	6-1
6.3	POSIX Test Suite	6-1
6.4	Validation Requirements	6-1
6.5	Testing Laboratories for NIST POSIX (FIPS 151-1)	6-2
6.6	Validated Products for NIST POSIX (FIPS 151-1)	6-3
6.7	Testing Laboratories and Validated Products for NIST POSIX (FIPS 151-2)	6-14
7.	COMPUTER SECURITY	7-1
7.1	Cryptographic Standards	7-1
7.2	Data Encryption Validation Tests	7-1
7.3	Message Authentication Code (MAC) Validation System	7-1
7.4	Key Management Validation System (KMVS)	7-1
7.5	General	7-2
7.5.1	Request for Validation.	7-2
7.5.2	Information about Validated Products.	7-2
7.5.3	Validation Documentation.	7-2
7.6	DES Validated Devices	7-3
7.7	FIPS 113, Computer Data Authentication: Message Authentication Code (MAC) Implementations	7-9
7.8	FIPS 171, Key Management Validation Using ANSI X9.17	7-12
	APPENDIX A FIPS CONFORMANCE TESTING PRODUCTS AND SERVICES	A-1

1. INTRODUCTION

1.1 Purpose

The testing of Information Technology (IT) Products to determine the degree to which they conform to specific Federal Information Processing Standards (FIPS) may be required by Government agencies as specified by the FIPS, Federal Information Resources Management Regulation (FIRMR) Parts 201-20.303, 201-20.304, and 201-39.1002, and the associated Federal ADP and Telecommunications Standards Index. Products having a current validation certificate or test report may be offered or delivered by vendors in response to requirements as set forth in solicitations by Federal agencies. The Validated Products List (VPL) contains conformance testing information for the following IT Standards:

Programming Languages COBOL, Fortran, Ada, Pascal, C, and MUMPS
Database Language SQL
Graphics
GOSIP
POSIX
Computer Security

This List is updated and published quarterly. The information contained herein is supplied by the contributors listed in Section 2.6 and Appendix A, and is current as of the tenth of the month preceding the publication date. Copies of the VPL may be obtained from:

National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22151.

Subscriptions: (703) 487-4630
Individual Copies: (703) 487-4650

Ordering Number: PB93-937303/AS

The entries in the printed VPL are contained in WordPerfect Version 5.1 files and may be accessed on the Internet using the instructions listed below.

Type: **ftp speckle.ncsl.nist.gov** (internet address is 129.6.59.2)
Login as user **ftp**
Type your e-mail address preceded by a dash (-) as the password
Type: **cd vpl**
Type: **binary**
Type: **get** and the name of the file you want; e.g. **language**

Questions or comments concerning the VPL should be directed to:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
Software Standards Validation Group
Building 225, Room A266
Gaithersburg, MD 20899
Telephone (301) 975-3274

1.2 Document Organization

1.2.1 Programming Languages

Section 2 identifies those COBOL, Fortran, Pascal, C, Ada, and MUMPS programming language processors that have a current validation certificate or registered test report referencing the applicable FIPS as of the date of this publication.

1.2.2 Database Language SQL

Section 3 identifies those SQL language processors that have a validation certificate or a registered test report for FIPS PUB 127-1 and FIPS PUB 127-2 as of the date of this publication.

1.2.3 Graphics

Section 4 lists the implementations or files for which a validation certificate is currently in place. These entries include:

Graphical Kernel System (GKS) implementations (FIPS PUB 120-1),
Programmer's Hierarchical Interactive Graphics Systems (PHIGS) (FIPS PUB 153),
Computer Graphics Metafiles (CGMs) (FIPS PUB 128),
Raster Graphics data files (FIPS PUB 150).

1.2.4 GOSIP

Section 5 contains information regarding FIPS PUB 146-1, GOSIP, conformance testing registers.

1.2.5 POSIX

Section 6 identifies POSIX products that have a current validation certificate for FIPS PUB 151-1 and FIPS PUB 151-2.

1.2.6 Computer Security

Section 7 contains information regarding validated products for FIPS PUB 46-1, Data Encryption Standard (DES), FIPS PUB 113, Computer Data Authentication (Implements Message Authentication Code, ANSI X9.9), and FIPS PUB 171, Key Management Using ANSI X9.17.

1.2.7 FIPS Conformance Testing Products

Appendix A lists FIPS conformance testing products and services available to the public. Information for these products and services may be obtained by contacting the appropriate person listed.

2. PROGRAMMING LANGUAGES

2.1 FIPS Programming Language Standards

As specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Standards Index, Federal agencies when acquiring language processors, are responsible for assuring that processors are in accordance with the following FIPS for programming languages:

- a. COBOL processors must satisfy the provisions of FIPS PUB 21-3, COBOL, and must be identified as implementing all of the language elements of at least one of the subsets of FIPS COBOL as specified in FIPS PUB 21-3.
- b. BASIC processors must satisfy the provisions of FIPS PUB 68-2, BASIC.
- c. Fortran processors must satisfy the provision of FIPS PUB 69-1, Fortran, and must be identified as implementing all of the language elements of the subset or full levels of FIPS Fortran as specified in FIPS PUB 69-1.
- d. Pascal processors must satisfy the provisions of FIPS PUB 109, Pascal.
- e. Ada processors must satisfy the provisions of FIPS PUB 119, Ada.
- f. MUMPS processors must satisfy the provisions of FIPS PUB 125-1, MUMPS.
- g. C processors must satisfy the provisions of FIPS PUB 160, C.
- h. VHDL processors must satisfy the provisions of FIPS PUB 172, VHDL.

Copies of the above publications are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Conformance testing programs are currently available for all above FIPS except for the programming language BASIC and VHDL. A test suite for BASIC is being developed.

2.2 Organization of Programming Language Processor Entries

The entries in the VPL for programming language processors are presented as follows:

- The VENDOR ID column contains the name of the Vendor of the processor.
- The PROCESSOR ID column contains the Processor identification and the Validation Summary Report (VSR) or certificate number. This number refers to the VSR that was produced as a result of the testing. The VSR describes the testing environment and details any processor nonconformity that was detected as a result of the testing. Information for obtaining a VSR is listed in section 2.6.
- Derived processors in the VENDOR & COMPILER column are Ada processors that have been derived from the processor/hardware/operating system environment used during the testing. In order for derived processors to be listed here, they must be properly registered with the Department of Defense, Ada Joint Program Office (AJPO) by the vendor of the processor.

- The **HARDWARE & OPERATING SYSTEM** column presents the hardware and operating system environment (including pertinent supporting system software) used during the validation. In the case of Ada processors, those environments for derived processors will appear in this column.
- The **EXPIRY DATE** column lists the expiration date of the Certificate of Validation or Registered Validation Summary Report. A processor may be included in the List after the certificate has expired if the validation is in process. Notification must be received by NIST at least 30 days prior to publication of the List in order for such a processor to be included. In this case the expiration date will be followed by "(pending)".
- For COBOL processors, the **SUBSET** column cites the applicable Federal Subset. For Fortran processors, the **LEVEL** column specifies the applicable Federal level. For Pascal processors, the ISO 7185 Pascal Standard Level (ISO 7185 Level 0 is equivalent to FIPS 109). This designation is presented in the **PROCESSOR ID** column.
- The entries in the **OTHER ENVIRONMENTS** column are registered hardware and operating system environments for the processor tested. The vendor of the processor has certified that the identified processor, when operating under the environments included in this column, produces the same test results as those obtained from the hardware and operating system environment used during the validation. Test results and other information from these environments may be required as evidence for entries to be included in this column.

Also listed are the programming language processors that have been tested and during the testing were found to have one or more nonconformities.

2.3 Validation of Processors

2.3.1 Validation Requirements

In accordance with the requirements referenced in Section 1.1, language processors offered to the Government for purchase, lease, or use in connection with ADP services shall be validated for conformance to FIPS for programming languages. To confirm that the specifications of the designated FIPS have been met:

- a. the processor shall be tested with the Compiler Validation System (CVS) approved by NIST,
- b. the processor validations shall be conducted in accordance with NIST validation procedures,
- c. a Validation Summary Report (VSR) shall be produced summarizing the test results of the CVS on the designated processor for that FIPS,
- d. all nonconformities noted in the VSR shall be corrected within twelve months,
- e. a Certificate of Validation shall be issued if validation results warrant. In order for a processor to receive a Certificate of Validation the processor must successfully pass all applicable tests of the CVS without exception.

The Federal ADP and Telecommunications Standards Index supplies standard terminology which may allow for delayed validation. When delayed validation is allowed, the offeror may meet this

requirement by showing evidence of having submitted the processor for validation. Proof of submission is in the form of a letter from NIST scheduling the validation.

Programming language processors offered to the Federal Government must comply with the applicable Government requirements. Failure to comply with these requirements shall be deemed sufficient cause to declare a bidder non-responsive or to declare a vendor in default for failure to deliver required software.

2.3.2 Placement in the List

For a processor to be placed in the List it must:

- a. have been officially tested within the past twelve calendar months, and
- b. have no errors remaining that were identified during a previous test.

2.3.3 Removal from the List

A processor is removed from the List when:

- a. the processor is not officially tested within twelve calendar months, or
- b. testing indicates that the processor still contains errors identified during a previous validation.

2.3.4 Validation Procedures

Validation procedures are published in the following documents:

Compiler Validation Procedures, dated January 15, 1993
Ada Compiler Validation Procedures and Guidelines, Version 3.1, August, 1992
Pascal Validation Policy and Procedures, Version 5.5, April 9, 1993
MUMPS Validation Procedures, Version 1.0, dated August 13, 1992

2.4 Certificate of Validation

A Certificate of Validation is issued for those programming language processors that have been tested and are considered to be in compliance with the FIPS as specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Index.

The requirement for retesting may be waived and the certificate of validation extended at the option of NIST if:

- a. no errors were identified during the previous testing of the processor,
- b. the vendor certifies, in writing, to NIST that no changes have been made to either the processor or the supporting system software, and
- c. no new version of the validation system has been officially released during the interim period.

2.5 Language Processor Validation Suites

Following are the validation suites and ordering information for testing programming language processors for conformance to FIPS.

- a. Copies of the COBOL, Fortran, MUMPS, and Ada Compiler Validation Suites may be purchased from:

National Technical Information Service (NTIS)
5285 Port Royal Road
Springfield, VA 22161
Telephone (703) 487-4650 (Voice)
(703) 321-8547 (FAX)

COMPILER VALIDATION SYSTEM [MEDIUM/FORMAT]	VERSION	NTIS ACCESSION NUMBER
COBOL 85 (CCVS85)	4.2	PB93-504918
Fortran (FCVS78)	2.1	PB94-500691
Ada [Tape/Backup]	1.11	ADA212551
Ada [Tape/Tar]	1.11	ADA212437
Ada [Tape ANSI Standard]	1.11	ADA212548
Ada [Disk (MS/DOS)]	1.11	ADA212549
MUMPS [Tape/Backup]	7.61	PB91-507699
MUMPS [Tape/ANSI]	7.61	PB91-507715
MUMPS [Tape/Tar]	7.61	PB91-507723
MUMPS [Disk (MS-DOS)]	7.61	PB91-507707

- b. The current version of the Pascal Validation System (PVS) is Version 5.5 and is available from:

British Standards Institution (BSI)
Software Engineering Department
BSI Quality Assurance
P. O. Box 375
Milton Keynes
MK14 6LL
ENGLAND
Telephone (011) +44-908-220908 (Voice)
(011) +44-908-220671 (FAX)

- c. The current version of the ANSI C Validation Suite (ACVS™) is Version 4.1 and is available from:

Perennial, Inc.
4699 Old Ironsides Drive
Suite 210
Santa Clara, CA 95054
Telephone (408) 748-2900 (Voice)

2.6 Testing Laboratories and Supporting Organizations

The organizations listed below have performed validations, supplied information, or are sources for Validation Summary Reports (VSR) for programming languages. These organizations may be contacted for validation information and for copies of VSR(s). COBOL and Fortran VSR(s) may be obtained from NIST. Pascal VSR(s) whose VSR numbers begin with "NIST" or end in "US" may also be obtained from NIST. Pascal VSR(s) whose VSR numbers end in "UK" are available from BSI. Ada VSR(s) may be obtained from the Ada Information Clearinghouse, the National Technical Information Service, or from the Ada Validation Facility (AVF) that produced the VSR. To obtain a copy of a VSR from an AVF, locate the upper case letter in the certificate number (e.g., 870608W1. . .). That letter corresponds to the letter in the CODE column to the left of the organizations listed below.

<u>CODE</u>	<u>ORGANIZATION</u>	<u>CONTACTS</u>	<u>LANGUAGE</u>
S	National Institute of Standards and Technology Software Standards Validation Group Building 225, Room A266 Gaithersburg, MD 20899 (301) 975-3274 Telex: 197674 NBS UT FAX: (301) 948-6213	L. Arnold Johnson Judy Kailey Carmelo Montanez William Dashiell	All COBOL, Fortran BASIC Pascal, C Ada, MUMPS, SQL, VHDL
N	National Computing Centre Limited (NCC) Oxford House, Oxford Road Manchester M1 7ED United Kingdom (011) +44 (61) 228 6333 +44 (61) 236 9877 (FAX) Telex 668962	Jane Pink Jon Leigh David Bamber	COBOL Fortran Ada C
	German National Research Center for Computer Science (GMD) Department Scientific Visualization Supercomputer Center (HLRZ) P. O. 1316, Schloss Birlinghoven D-W-5205 Sankt Augustin 1 Germany (011) +49-2241-14-2706 (voice) (011) +49-2241-14-2618 (FAX) kirsch@gmdzi.gmd.de	Berthold Kirsch	Fortran
	Instituto Italiano del marchio di Qualita (IMQ) Servicio SCQ Via Quintiliano, 43 20138 Milano Italy +39-2-5073266 +39-2-5073271 (Fax) Telex: 310 393 IMQI	Angelo Belloni	COBOL Fortran

	JMI Institute 21-25, Kinuta 1-Chome Setagaya-Ku, Tokyo 157 Japan +81 3 3416 9600	Y. Fukui	COBOL Fortran
	British Standards Institution Quality Assurance (BSIQA) P.O. Box 375 Milton Keynes MK14 6LL United Kingdom (011) +44 908-22-09-08 (011) +44-908-22-06-71 (Fax) Telex: 827682 BSIQAS G	John Souter	Pascal
W	Ada Validation Facility Language Control Facility ASD/SCEL Wright-Patterson AFB, OH 45433-6503 (513) 255-4472	Dale Lange	Ada
B or A	Association Francais de Normalisation (AFNOR) Direction Certification Tour Europe, Cedex 7 BP-92049 Paris la Dè fense FRANCE (011) 33-142915960 (011) 33-142915656 (Fax) Telex: AFNOR 611 974 F	M. Alphonse Philippe	Ada
I	IABG-AVF Industrieanlagen-Betriebsgesellschaft Dept. ITE Einsteinstrasse 20 D-8012 Ottobrunn Federal Republic of Germany +49-89-6088-2477 e-mail: tonndorf@ajpo.sei.cmu.edu	Michael Tonndorf	Ada
	Ada Information Clearinghouse 3D139 1211 S. Fern, C-107 The Pentagon Washington, D.C. 20301-3081 (703) 685-1477		Ada VSR(s)
	National Technical Information Service U.S. Department of Commerce 5285 Port Royal Road Springfield, VA 22161 (703) 487-4650		Ada VSR(s)

2.7 LANGUAGE PROCESSORS WITH CERTIFICATES NO NONCONFORMITIES

COBOL -
Certificates

2.7.1 COBOL PROCESSORS

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Computer Associates	CA-Realia II Workbench Version 1.1.20 NIST-94/1701; Intermediate; 6/1/95	IBM PS/2 Model 95; Windows NT Version 3.1	IBM PS/2 Model 60, 70, 80, 90; Windows NT Version 3.1
	CA-Realia II Workbench Version 1.1.20 NIST-94/1702; Intermediate; 6/1/95	IBM PS/2 Model 95; Windows Version 3.1	IBM PS/2 Model 60, 70, 80, 90; Windows Version 3.1
	CA-Realia II Workbench Version 1.1.20 NIST-94/1703; Intermediate; 6/1/95	IBM PS/2 Model 95; OS/2 Version 2.1	IBM PS/2 Model 60, 70, 80, 90; OS/2 Version 2.1
	CA-Realia II Workbench Version 1.1.20 NIST-94/1704; Intermediate; 6/1/95	IBM PS/2 Model 95; DOS Version 6.20	IBM PS/2 Model 60, 70, 80, 90; DOS Version 6.20
	CA-Realia COBOL Version 4.2 NIST-94/1705; Intermediate; 6/1/95	IBM PS/2 Model 95; DOS Version 6.20	IBM PS/2 Model 60, 70, 80, 90; DOS Version 6.20
	CA-Realia COBOL Version 4.2 NIST-94/1706; Intermediate; 6/1/95	IBM PS/2 Model 90; OS/2 Version 2.1	IBM PS/2 Model 60, 70, 80, 95; OS/2 Version 2.1
Digital Equipment Corporation	VAX COBOL Version 5.2; NIST-94/1401; High; 4/1/95	VAX 4000 Model 60; OpenVMS VAX, Version 5.5	VAX 4000 models 200, 300; VAX 6000 models 200, 300, 400, 500; VAX's 8200, 8250, 8300, 8350, 85xx, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; VAX 9000 models 210, 400; VAXft 3000 model 310, VAX 11/730, VAX 11/750, VAX 11/785; MicroVAX II, 2000, 3100, 3200, 3500, 3520, 3540; VAXstation II, 2000, 3100, 3200, 3500, 3520, 3540; VAXserver 3600, 3602, 3800, 3900, 4000 models 200, 300; 6000, 210/220, 6000 310/320; 6000 410/420; 6000 510/520; OpenVMS VAX Version 5.5
	DEC COBOL for OpenVMS AXP Version 2.0; NIST-94/1402; High; 4/1/95	DEC/3000 Model 500; OpenVMS AXP, Version 6.1	DEC 10000, 7000, 4000, 3000, 2000, 1000; OpenVMS for AXP, Version 6.1
	DEC COBOL for OSF/1 AXP Version 1.1; NIST-94/1403; Intermediate; 4/1/95	DEC/3000 Model 500; OSF/1 AXP, Version 2.0	DEC 10000, 7000, 4000, 3000, 2000, 1000; OSF/1 for AXP, Version 2.0

COBOL PROCESSORS, *Continued*

COBOL -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Micro Focus COBOL V3.1 for UNIX (Digital DECstation); NIST-94/1945; High; 8/1/95	Digital DECstation 5000/240 Ulrix Version 4.3A	
	Micro Focus COBOL V3.1 for UNIX (Digital Alpha AXP running OSF/1); NIST-94/1946; High; 8/1/95	Digital DEC 3000 AXP OSF/1 Version 2.0	
	Micro Focus COBOL V3.2 for UNIX (Intel 80386 running SCO UNIX); NIST-94/1947; High; 8/1/95	UNIQ 486 EISA SCO UNIX Version 3.2 v 4.2	
	Micro Focus COBOL V3.s.43 for NT (Intel 80386 running NT); NIST-94/1948; High; 8/1/95	Dell 466/T MS Windows NT Version 3.1	
	Micro Focus COBOL V3.2 for DOS, Windows and OS2 IBM PC); NIST-94/1949; High; 8/1/95	Digital DECPC 433dx MTE MS DOS Version 6.2	
	Micro Focus COBOL V3.s.47 for NT (Digital Alpha AXP running NT); NIST-94/194A; High; 8/1/95	Digital Alpha AXP 150 MS Windows NT Version 3.1	
Hewlett-Packard Company	COBOL/HP-UX Version B.08.00; NIST-94/1631; High; 5/1/95	HP9000 Series 720; HP-UX Version 9.0	HP9000 Series 635, 645, 705, 710, 712, 715, 720, 725, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200, 870/300, 870/400, 877, 887, 890, 890/1, 890/2, 890/3, 890/4, 897, EXX, FXX, GXX, HXX, IXX, T500; HP-UX Version 9.0
	COBOL/iX Version A.04.11; NIST-94/1632; High; 5/1/95	HP3000 Series 967; MPE/iX Version B.30.45	HP3000 Series 917, 920, 922, 925, 927, 932, 935, 937, 947, 948, 949, 950, 955, 957, 958, 960, 967, 977, 980/100/200/300/400, 987, 987/200RX/SX, 987/200Plus, 990, 991/CX/DX, 992, 992/100/200/300/400, 995/CX/DX/ 100/200/300/400/500/600/700/800, 918LX/RX, 928LX/RX, 968LX/RX, 978LX/RX; MPE/iX Version B.30.45

COBOL PROCESSORS, *Continued*

COBOL -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Nihongo COBOL/HPUX (SJIS) Version A.08.02; NIST-94/1633; High; 5/1/95	HP9000 Series 720; HP-UX Version 9.0	HP9000 Series 635, 645, 705, 710, 712, 715, 720, 725, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200/300/400, 877, 887, 890, 890/1, 890/2/3/4, 897, EXX, FXX, GXX, HXX, IXX, T500; HP-UX Version 9.0
	Nihongo COBOL/HPUX (EUC) Version A.08.01; NIST-94/1634; High; 5/1/95	HP9000 Series 720; HP-UX Version 9.0	HP9000 Series 635, 645, 705, 710, 712, 715, 720, 725, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200/300/400, 877, 887, 890, 890/1/2/3/4, 897, EXX, FXX, GXX, HXX, IXX, T500; HP-UX Version 9.0
IBM Canada, Ltd.	COBOL/400 Version 2 Release 2; NIST-92/2071; Intermediate; 9/1/94	AS/400; OS/400 Version 2 Release 2	
IBM Corporation	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1; NIST-94/1082; High; 12/1/94	IBM 3090; VM/ESA Version ESA Release 1.0	IBM 390, 3000, 4381-T92, 9000; VM/ESA Version ESA Release 1.0
	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1; NIST-94/1081; High; 12/1/94	IBM 3090; MVS/ESA Version 4 Release 3	IBM 390, 3000, 4381-T92, 9000; MVS/ESA Version 4 Release 3
	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1; NIST-94/1923; High; 6/1/95	IBM 3090; MVS/ESA Version 5 Release 1 VM/ESA Version 1 Release 2.2	IBM 390, 3000, 4381-T92, 9000; MVS/ESA Version 4 Release 3 VM/ESA Version ESA Release 1.0
	VS COBOL II Version 1 Release 4; NIST-93/1801; Intermediate; 8/1/94	IBM 3090; MVS/ESA Version 4 Release 2.2	IBM 370, 390, 3000, 4300, 9000; MVS/370 Version 1 Release 3.6, MVS/XA Version 2 Release 2.3
	VS COBOL II Version 1 Release 4; NIST-93/1802; Intermediate; 9/1/94	IBM 3090; VSE/ESA Version 1 Release 3	IBM 370, 390, 3000, 4300, 9000; VSE/ESA Version 1 Release 3
	VS COBOL II Version 1 Release 4; NIST-93/1803; Intermediate; 9/1/94	IBM 3090; VM/ESA Version ESA Release 1.0	IBM 370, 390, 3000, 4300, 9000; VM/SP6

COBOL PROCESSORS, *Continued*

COBOL -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	VS COBOL II Version 1 Release 4; NIST-94/1921; Intermediate; 6/1/95	IBM 3090; VM/ESA Version 1 Release 2.2 MVS/ESA Version 5 Release 1 VSE/ESA Version 1 Release 3	IBM 370, 390, 3000, 4300, 9000; VM/SP6 MVS/XA Version 2 Release 2.3 MVS/370 Version 1 Release 3.6 VSE/ESA Version 1 Release 3
mbp Information- stechnologie GmbH	Visual COBOL XO V3.3; NIST/NCC-93/976; High; 7/15/94	Sintronic 486 DX 50; MS-DOS Version 5.0	
	Visual COBOL XO Version 3.3; NIST/NCC-93/977; High; 7/15/94	Hewlett Packard HP9000/807S; HP-UX Version 8.02	
Micro Focus	Micro Focus COBOL V3.2 for DOS, Windows and OS/2; NIST-94/1941; High; 8/1/95	Compaq Deskpro; IBM OS/2 Version 2.1 IBM PS/2 Model 80; Microsoft DOS Ver 6.2	IBM PS/2 Model 85; IBM OS/2 Version 2.1 Dell 433 MX MS DOS Version 6.2
	Micro Focus COBOL V3.2 for UNIX (IBM RS/6000); NIST-94/1942; High; 8/1/95	IBM RISC System/6000, 58H AIX Version 3.2.5	
	Micro Focus COBOL V3.2 for UNIX (Intel 80386 running SCO UNIX); NIST-94/1943; High; 8/1/95	UNIQ 486 EISA SCO UNIX 3.2 v 4.2	
	Micro Focus COBOL V3.2 for UNIX (Sun SPARC running Solaris 2); NIST-94/1944; High; 8/1/95	Sun Sparcstation 10 Solaris 2.3	
Microsoft Corporation	Microsoft COBOL Version 5.0; NIST-92/1962; High; 8/1/94	IBM PS/2 Model 60; IBM DOS Version 5.0 Compaq Deskpro; Microsoft DOS, Version 4.01	IBM PS/2 Model 80; DOS Version 3.3
Sequent Computer Systems Corp.	Micro Focus COBOL V3.0; NIST-93/2001; High; 2/1/95	S2000/250; DYNIX/ptx Version 2.0 Release 1.0	S/2000/450, S/750; DYNIX/ptx Version 2.0 Release 1.0
Silicon Graphics, Inc.	Micro Focus COBOL V3.1 for UNIX (SGI Indigo and Challenge); NIST-94/1940; High; 8/1/95	SGI IRIX INDY IRIX Version 5.1.1.2	

COBOL PROCESSORS, *Continued*

COBOL -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Tandem Computers, Inc.	COBOL85 Version D20.02; NIST-94/1761; High; 6/1/95	NonStop Cyclone; Guardian Version D20	VLX; CLX 700, CLX 800; HIMALAYA K110, K120, K1000, K10000; Guardian Version D20
Unisys Corporation	UCS COBOL (UCOB) Version 6R1 Release SB5R1; NIST-93/1841; High; 8/1/94	2200/900; 1100 OS EXEC, Version 44R1 Release SB5R1	2200/600, 2200/400, 1100/90; 1100 OS EXEC, Version 44R1 Release SB5R1

2.7.2 FORTRAN PROCESSORS

Fortran -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Convex Computer Corporation	Convex Fortran Version 9.0; NIST-94/1501; Full; 6/1/95	Convex C Series Model C4620; ConvexOS Version 11.0	Convex C46XX, C38XX, C34XX, C32XX; ConvexOS Version 11.0
	Convex Fortran Version 9.0; NIST-94/1502; Full; 6/1/95	Convex Exemplar Series Model SPP1000/XA; SPP-UX Version 9.03	Convex SPP1000/XA, SPP1000/CD SPP-UX, Version 9.03
Cray Computer Corporation	f77 Version 1.0; NIST-93/2201; Full; 11/1/94	CRAY-3; CSOS Version 1.0	
	f77 Version 1.0; NIST-93/2202; Full 11/1/94	Cray 3; CSOS Version 1.0	
Cray Research, Inc.	CF77 Compiling System Release 6.0; NIST-93/1221; Full; 8/1/94	Cray C90; UNICOS Release 7.C.2ck	Cray C90; UNICOS Release 7.0
	CF77 Compiling System Release 6.0; NIST-93/1222; Full; 8/1/94	Cray Y-MP; UNICOS Release 7.C.2cl	Cray Y-MP, Cray Y-MPEL; UNICOS Release 7.0
Digital Equipment Corporation	DEC Fortran for OpenVMS VAX, Version 6.1; NIST-93/2143; Full; 12/1/94	VAX 6000-420; OpenVMS VAX Version 6.0	VAX 4000 Models 100, 100A, 105A, 200, 300, 400, 500, 500A, 600, 600A, 700A; VAX 6000 Models 200, 300, 400, 500, 600; VAX 7000 Model 600; VAX 8200, 8250, 8300, 8350, 8500, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 8842; VAX 9000 Models 110, 210, 300, 400, 420, 430, 440; VAX 10000 Model 600; VAXft Models 110, 310, 410, 610, 612; VAX 11/730, 11/750, 11/780, 11/785; MicroVAX II, 2000, 3100 10/10E, 20/20E, 30, 40, 80, 90; MicroVAX 3300, 3400, 3500, 3600, 3800, 3900; VAXstation II, 2000; 3100 Models 30, 38, 40, 48, 76; 3200, 3500, 3250, 3540; VAXstation 4000 Models 60, 90, VLC; VAXserver 3100 Models 10/10E, 20/20E; 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 4000 Models 200, 300, 500; VAXserver 6000 Models 210, 220, 310, 320, 410, 420, 510, 520, 610, 620, 630; VAXserver 9000 Models 110, 310, 320, 330, 340; OpenVMS VAX Version 6.0, 5.5, 5.4
	DEC Fortran for DEC/ OSF/1 AXP Version 3.4; NIST-94/1404; Full; 4/1/95	DEC 4000 Model 610; DEC OSF/1 AXP Version 2.0	DEC/10000; 7000; 4000; 3000; 2000 DEC OSF/1 Alpha Version 2.0

FORTRAN PROCESSORS, *Continued*

Fortran -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	DEC Fortran for OpenVMS AXP, Version 6.1; NIST-93/2141; Full; 12/1/94	DEC 3000-500; OpenVMS AXP Version 1.5	DEC 2000 300, DEC3000 300, 300L, 500X, 400 AXP Workstation, 400 AXP Server, 500 AXP Workstation, 500 AXP Server; 600, 600 Server 800, 800 Server, DEC 4000 600 AXP, 710; DEC 7000 600 AXP; DEC 10000 600 AXP; OpenVMS AXP Version 1.5
	DEC Fortran for RISC/ULTRIX Version 3.2; NIST-93/2142; Full; 12/1/94	DECstation 5000, Mod 200; RISC/ULTRIX Version 4.3	DECstation 2100, 3100, 3100s; Personal DECstation 5000 20/25 MX, HX, TX, PXG+, PXG Turbo+; DECstation 5000 120/125/133 MX, CX, HX, PX, TX, PXG, PXG+, PXG Turbo, PXG Turbo+; 200 MX, CX, HX, PX, TX, PXG, PXG+, PXG Turbo+; 240 MX, HX, TX, PXG, PXG Turbo+; DECsystem 3100; 5000 25, 200, 240; 5100; 5400; 5500; 5810; 5820; 5830; 5840; 5900; ULTRIX/RISC Version 4.3
	DEC Fortran for Windows NT AXP Systems, Ver. 1.0; NIST-93/1761; Full; 8/1/94	DECpc AXP/150; Windows NT AXP, Version 1.0	
Fujitsu America, Inc.	OSIV/MSP Fortran77 EX Version 11 Level 10; NIST-91/1383; Full; 2/1/95	Fujitsu VP100E; OSIV/F4 MSP Edition 20	Fujitsu M780; M760; OSIV/F4 MSP Edition 20
	OSIV/MSP Fortran77 EX Version 11 Level 10; NIST-91/1384; Full; 2/1/95	Amdahl 5990; IBM MVS/SP Version 3 Release 1.3	IBM 3090/200E; IBM MVS/SP Version 2 Release 2.3
	UXP/M Fortran77 EX/VP Version 11 Level 10; NIST-91/1601; Full; 2/1/95	Fujitsu VP2400/10; UXP/M Version 10 Level 10	Fujitsu VP2000 Series; UXP/M Version 10 Level 10
	UXP/M Fortran77 EX/VP Version 11 Level 10; NIST-91/1602; Full; 2/1/95	Fujitsu VP2400/10; UXP/M Version 10 Level 10	Fujitsu VP2000 Series; Fujitsu M Series; UXP/M Version 10 Level 10
Hewlett- Packard Company	HP 9000 S700 Fortran 77 Version A.09.00 Rel 9.0; NIST-93/1121; Full; 1/1/95	HP9000 Model 720; HP-UX Version 9.0	HP9000, mod 705, 710, 730, 750; HP-UX Version 9.0
	HP 9000 S300/S400 Fortran 77 Version A.09.00 Rel 9.0; NIST-93/1122; Full; 1/1/95	HP9000 Model 433T; HP-UX Version 9.0	HP9000, mod 400, 425, 332, 345, 350, 360, 370, 375, 380, 385; HP-UX Version 9.0
	HP 9000 S800 Fortran 77 Version A.09.00 Rel 9.0; NIST-93/1123; Full; 1/1/95	HP9000 Model 835; HP-UX Version 9.0	HP9000, mod 807, 817, 825, 827, 834, 835, 837, 840, 845, 847, 850, 857, 860, 867, 870; HP-UX Version 9.0

FORTRAN PROCESSORS, *Continued*

Fortran -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	HP 3000 S900 Fortran 77 Version A.04.31 Rel 9.0; NIST-93/1124; Full; 1/1/95	HP3000 Model 947LX; MPE/iX Version 4.0	HP3000, mod 917, 922, 925, 927, 930, 932, 935, 937, 950, 955, 957, 960, 967, 980, 990; MPE/iX Version 4.0
IBM Canada, LTD	IBM AIX XL Fortran Compiler/6000 Version 2 Release 3; NIST-92/2031; Full; 9/1/94	IBM RISC System /6000 POWERstation /POWERserver 540; AIX for RISC System/6000 Version 3 Release 2	RISC System/6000 Powerstation /Powerserver 220, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 730, RISC System/6000 Powerserver 930, 950, 970; AIX for RISC System/6000 Version 3 Release 2
	IBM AIX XL Fortran Compiler/6000 Version 3 Release 1; NIST-93/1921; Full; 1/1/95	IBM RISC System /6000 POWERstation /POWERserver 550; AIX for RISC System /6000 Version 3 Release 2.5	RISC System/6000 Powerstation /Powerserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 58H, 590, 730, RISC System/6000 Powerserver 25S, 930, 950, 970, 990; AIX for RISC System/6000 Version 3 Release 2.5
IBM Corporation	VS Fortran Version 2 Release 5; NIST-91/1921; Full; 8/1/94	IBM 4381; VM/SP Version 1 Release 5	S/370 30xx, 43xx, 93xx, S/390, ES/9000; VM/XA Version 1, Rel 1, 2 S/370 30xx, 43xx, S/390, ES/9000; VM/ESA Version 1, Rel 1, 1.1
	VS Fortran Version 2 Release 5; NIST-91/1922; Full; 8/1/94	IBM S/370 3090; MVS/ESA SP Version 4 Release 2	S/370 30xx, 43xx, 93xx, S/390, ES/9000; MVS/SP Version 1, Release 3 MVS/SP Version 2, Release 2 MVS/SP Version 3, Release 1
	VS Fortran Version 2 Release 5; NIST-90/1823; Full; 8/1/94	IBM 3090; AIX/370 Version 1 Release 2	S/370, 30xx, 43xx, 93xx; AIX/370 Version 1, Release 2
	VS Fortran Version 2 Release 6; NIST-94/1922; Full; 6/1/95	IBM S/390 ES9000 9021 Model 720 MVS/ESA SP Version 4 Release 3	S/390, ES/9000, S/370, 30XX, 43XX, 93XX MVS/SP Version 1, Release 3 MVS/SP Version 2, Release 2 MVS/SP Version 3, Release 1
Intel SSD	f77 Native Compiler Version R4.5; NIST-93/1781; Full; 11/1/94	XP/S; OSF/1 AD Release R1.1	
Intergraph Corporation	Clipper Advanced Optimizing Fortran, Version 1.57; NIST-94/1101; Full; 12/1/94	Clipper Model 2730; CLIX, Version 7.1	Clipper C300 and C400; CLIX, Version 7.1

FORTRAN PROCESSORS, *Continued*

Fortran -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Clipper Advanced Optimizing Fortran, Version 2.0; NIST-94/1104; Full; 12/1/94	Clipper Model 2730; CLIX, Version 7.1	Clipper C300 and C400; CLIX, Version 7.1
Microsoft Corporation	Fortran PowerStation 32 for Windows NT, Version 1.0; NIST-93/2061; Full; 10/1/94	Dell PC 486D/SO with Intel 486 CPU; Microsoft Windows NT Version 3.1	
	Fortran PowerStation Version 1.0, Release a; NIST-94/1421; Full; 6/1/95	Dell PC 486D/50 CPU Microsoft Windows for Workgroups Version 3.1.1 under MS DOS Version 6.20	
Modular Computer Systems, Inc.	GLS Fortran 77 Version C.0; NIST-94/1561; Full; 4/1/95	REAL/STAR 9088R-4; REAL/IX Version E.0	REAL/STAR Models 9088 R-2, 9088 R-1, 9087; REAL/IX Version E.0
	Fortran 77/16 Version B.5; NIST-94/1562; Full; 4/1/95	CLASSIC 9250; MAX IV Version L.0	CLASSIC 9230; MAX IV Version L.0
	Fortran 77/32 Version B.5; NIST-94/1563; Full; 4/1/95	CLASSIC 9250; MAX 32 Version D.3	CLASSIC 9230; MAX 32 Version D.3
	Fortran PowerStation 32 for Windows NT Version 1.0; NIST-93/2061; Full; 10/1/94	Dell PC 486D/SO with Intel 486 CPU; Microsoft Windows NT Version 3.1	
Salford Software Ltd.	FTN77/486 Version 2.73; NIST/NCC-94/983; Full; 6/30/95	Western Systems 486 DX2 (WS486 DX2-66); MS-DOS Version 6.2	
	FTN77 Version 1.0; NIST/NCC-94/984; Full; 6/30/95	Western Systems 486 DX2 (WS486 DX2-66); MS-Windows/NT Version 3.1	
Sequent Computer Systems, Inc.	ptx/Fortran Version 2.1p NIST-93/2002; Full; 2/1/95	S2000/250; DYNIX/ptx Version 2 Release 1.0	S2000/450, S2000/750; DYNIX/ptx Version 2 Release 1.0
Siemens Nixdorf Informations- systeme AG	Fortran77 V1.3; NIST/NCC-93/978; Full; 11/1/94	PCE-5S; SINIX-Z V5.41	MX300, MX500, WX200; SINIX-L Version 5.41

FORTRAN PROCESSORS, *Continued*

Fortran -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Fortran77 V1.3; NIST/NCC-93/979; Full; 11/1/94	RM400; SINIX-N V5.41	RM600, RNM600; SINIX-P Version 5.41
	FOR1 V2.2; NIST/NCC-93/980; Full; 11/1/94	7.592I; BS2000/OSD V1.0A (BS2000 V11.0A)	
	FORTTRAN90 V1.0; NIST/NCC-93/981; Full; 11/1/94	7.592I; BS2000/OSD V1.0A (BS2000 V11.0A)	
SUNPRO	SPARCcompiler Fortran Version 3.0; NIST-93/2181; Full; 2/1/95	SPARCstation LX SPARCserver 1000; Solaris Version 2.3	
	SPARCcompiler Fortran MP (SPARCworks iMPact 1.0); NIST-93/2182; Full; 2/1/95	SPARCstation 10 SPARCserver 1000 SPARCcenter 2000; Solaris Version 2.3	
	ProCompiler Fortran Version 3.0.1; NIST-93/1901; Full; 8/1/94	DELL Model 433DE; Solaris Version 2.1 Release X86	
Tandem Computers, Inc.	Fortran Version D20; NIST-94/1762; Full; 6/1/95	NonStop Cyclone; Guardian Version D20	VLX; CLX 700; CLX 800; HIMALAYA K110, K120, K1000, K10000 Guardian Version D20
Unisys Corporation	UCS Fortran (UFTN), Ver. 5R1 Release SB5R1; NIST-93/1842; Full; 8/1/94	2200/900; 1100 OS EXEC, Version 44R1 Release SB5R1	2200/600, 2200/400, 1100/90; 1100 OS EXEC, Version 44R1 Release SB5R1

2.7.3 Ada PROCESSORS

The following pages list Ada compilers that have been validated by the Ada Joint Program Office (AJPO). Compilers are listed in order of vendor. The list is updated monthly, and presently includes 336 base compilers and 401 compilers derived from base implementations. For the most current information on validated Ada compilers, please contact the Ada Information Clearinghouse at (703) 685-1477.

(Key: * = Validated through Registration, base system above)

(Key: (#YYMMDDFX.XXNNN): YYMMDD is the date on-site testing was completed;

F is the Ada Validation Facility;

X.XX is the ACVC Version;

NNN is a unique sequence number that is assigned by the AVO)

For example, the certificate number #901120W1.11087 means the compiler completed on-site testing November 20, 1990, at Wright-Patterson AFB under ACVC 1.11.

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration AETECH XAda Ver. 6.1 (BASE #901129W1.11086)	Any computer system comprising: cpu: Intel 80386 or 80486; fpu: Optional; memory: 8 MByte RAM; disk: 160 MByte hard drive (under SCO Unix 3.2, Solaris X86, ESIX System V, Release 4.0, & Interactive Unix System V, Release 3.2)	Same as Host	AETECH, Inc. IntegrAda 5.1.0 POSIX (#901129W1.11086)	Unisys PW/2 386 (under SCO Unix 3.2)	Same as Host
*Validated by Registration AETECH XAda Version 6.1 (BASE #901129W1.11086)	Any computer system comprising: cpu: Intel 80386 or 80486; fpu: optional; memory: 8 MByte RAM; disk: 160 MByte hard drive (under Univel UnixWare Version 1.0.3a)	Same as Host	*Validated by Registration AETECH, Inc. IntegrAda Posix 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 60 MByte hard drive (under SCO Unix 3.2)	Same as Host
AETECH, Inc. IntegrAda 386 5.1.0 (#901120W1.11087)	Northgate 386/25 (under Phar Lap/DOS 3.3)	Northgate 386/25 (under MS DOS 3.3)	*Validated by Registration AETECH, Inc. AETECH POSIX Compiler, Version 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM, disk: 60 MByte hard drive (under Interactive Unix System V, Release 3.2)	Same as Host
*Validated by Registration AETECH, Inc. IntegrAda 386 5.1.0 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under Phar Lap/DOS 3.3)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under MS DOS 3.3)	*Validated by Registration AETECH, Inc. AETECH POSIX Compiler Version 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 60 MByte hard drive (under ESIX System V, Release 4.0)	Same as Host
*Validated by Registration AETECH, Inc. IntegrAda for Windows Ver 1.2 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under MS DOS 3.3, 5.0, & 6.0, with Windows 3.1)	Same as Host	Aitech Defense Systems, Inc. AI-ADA/88K Version 2.4 (#900930W1.11030)	VAXstation 3100 Cluster (under VMS 5.3)	Tadpole TP880V (88100-based VME board) (bare machine)
*Validated by Registration AETECH, Inc. IntegrAda 386 Ver 6.2 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under MS DOS 3.3, 5.0, & 6.0)	Same as Host	*Validated by Registration Aitech Defense Systems, Inc. AI-ADA/88K, Version 2.4 (BASE #900930W1.11030)	All DEC MicroVAX, VAXstation, VAXserver, VAX-11, VAX 8xxx & VAX 6xxx series (under VMS versions 5.0, 5.1, 5.2 & 5.3, as supported)	Tadpole TP880V (88100-based VME board) & Motorola MVME181 (88100-based VME board) (bare machines)
*Validated by Registration AETECH, Inc. IntegrAda DOS Ver 6.1 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80x86 series; fpu: optional; memory: 640 KByte RAM; disk: 40 MByte hard drive (under MS DOS 3.3, 5.0, & 6.0)	Same as Host	Aitech Defense Systems, Inc. AI-ADA/96K, Version 3.0 (#911012W1.11224)	VAXstation 3100 Cluster (under VMS 5.3)	DSP96002ADS board (bare machine)
			Aitech Defense Systems, Inc. AI-ADA/96K, Version 3.0 (#911012W1.11225)	Sun-4/330 (under SunOS 4.1.1)	DSP96002ADS board (bare machine)
			Alenia Aeritalia & Selenia S.p.A DACs VAX/VMS to 80x86 PM MARA Ada Cross Compiler, Version 4.6 (#920509S1.11259)	MicroVAX 4000/200 (under VMS Version 5.4)	Alenia MARA (80286-based) (under Alenia Operating System, Version 8.6 System)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alenia Aeritalia & Selenia S.p.A DACS 80x86PM, Version 4.60 (BASE #920509S1.11259)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.4)	Alenia MARA 80386- & 80486-based computers (under Alenia Operating System 8.6)	Alsys AlsyCOMP_050, Version 5.3 (#901022A1.11045)	Bull DPX/2 320 (under B.O.S. 02.00.05)	Same as Host
Alliant Computer Systems Corporation Alliant FX/Ada-2800 Compiler, Version 1.0 (#901218W1.11105)	Alliant FX/2800 (under Concentrix Release 2.0)	Same as Host	*Validated by Registration Alsys AlsyCOMP_050, Version 5.3 (BASE #901022A1.11045)	Bull DPX 2/210, /220, /320, /340 & /360 (under BOS 02.00.05 & 2.00.10)	Any Host
Alliant Computer Systems Corporation Alliant FX/Ada Compiler, Version 2.3 (#901218W1.11106)	Alliant FX/80 (under Concentrix Release 5.7)	Same as Host	Alsys AlsyCOMP_002, Version 5.3 (#901022A1.11046)	HP 9000s350 (under HP-UX 6.5)	Same as Host
AlsyCOMP_085, 5.5 Alsys (#931208W1.11334)	CompuAdd 466 (under Windows NT, Version 3.1 + Threads)	Same as Host	*Validated by Registration Alsys AlsyCOMP_002, Version 5.3 (BASE #901022A1.11046)	HP 9000 Series 300, all models (under HP-UX 6.5 & 7.0)	Any Host
Alsys AlsyCOMP_053, Version 1.82 (#900509I1.11009)	VAX 8530 (under VMS, Version 5.1)	Same as Host	*Validated by Registration Alsys AlsyCOMP_002 Version 5.5.1 (BASE #901022A1.11046)	HP 9000 Series 300 & 400 (all models) (under HP-UX 8.0)	Any Host
Alsys AlsyCOMP_042, Version 5.3 (#900627N1.11013)	IBM 9370 Model 90 (under AD/370 Version 1.2)	Same as Host	Alsys AlsyCOMP_005, Version 5.3 (#901022A1.11047)	Sun-3/260 (under SunOS 3.2)	Same as Host
Alsys AlsyCOMP_026, Version 1.82 (#900814I1.11040)	Sun-3/60 (under SunOS, Version 4.0.3)	Same as Host	*Validated by Registration Alsys AlsyCOMP_005, Version 5.3 (BASE #901022A1.11047)	Sun 3/50, /60, /75, /80, /160, /260, /280, /470 & /480 (under SunOS 3.2, 3.5, 4.0 & 4.1)	Any Host
Alsys AlsyCOMP_025, Version 1.83 (#900814I1.11041)	MIPS M/120-5 (under RISC/os, Version 4.0)	Same as Host	*Validated by Registration Alsys AlsyCOMP_005 Version 5.5.1 (BASE #901022A1.11047)	Sun Microsystems Sun-3 computer family (under SunOS 4.1.1)	Any Host
Alsys AlsyCOMP_046, Version 5.3 (#901022A1.11043)	Sony NEWS NWS-1850 (under NEWS-OS 3.3)	Same as Host	Alsys AlsyCOMP_035, Version 5.3 (#901022A1.11048)	CETIA Unigraph 6000 (under Unigraph/X 3.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_046, Version 5.3 (BASE #901022A1.11043)	Sony NEWS series 1250, 15xx, 17xx, 18xx & 19xx (under NEWS-OS versions 3.3 & 3.4)	Any Host	*Validated by Registration Alsys AlsyCOMP_035, Version 5.3 (BASE #901022A1.11048)	Unigraph 1000/325, 2000/50, 2000/250, 2000/325, 3000/325-333, 6000/325-333, 7000/325, 8000/325 & 9000 (under Unigraph/X 3.1 & 3.1.1)	Any Host
Alsys AlsyCOMP_004, Version 5.3 (#901022A1.11044)	Apollo DN4000 (under Domain/OS SR10.2)	Same as Host	*Validated by Registration Alsys AlsyCOMP_035 Version 5.5.1 (BASE #901022A1.11048)	CETIA Unigraph models 1000/325; 2000/50, /250, /325; 3000/325-333; 6000/325-333; 7000/325/ 8000/325; & 9000 (under Unigraph/X 3.2c.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_004, Version 5.3 (BASE #901022A1.11044)	Apollo DN3000, DN3500, DN4000 & DN4500 (under Domain/OS SR10.2 & SR10.3)	Any Host	Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11055)	Compaq Deskpro 386 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
*Validated by Registration Alsys AlsyCOMP_004 Version 5.5.1 (BASE #901022A1.11044)	HP Apollo 9000 Series 400 (under Domain/OS SR10.4)	Any Host			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration			*Validated by Registration		
Alsys AlsyCOMP_016 Version 5.1.1 (BASE #901102W1.11055)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under MS/DOS 5.0 & Phar Lap 4.0)	Any Host	Alsys AlsyCOMP_037, V5.3 (BASE #901114N1.11065)	INMOS T800 transputer on a B403 TRAM (bare) with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS Server V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS Server 1.3 for file-server support via an INMOS B008 board link; INMOS T425 transputer on a B403 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS Server 1.3 for file-server support via an INMOS B008 board link
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11056)	CompuAdd 320 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host			
*Validated by Registration			*Validated by Registration		
Alsys AlsyCOMP_016, Version 5.1 (BASE #901102W1.11056)	HP Vectra RS/20, RS/20C, RS/25 & RS/25C; AST Premium 386; and Unisys 386 & Desktop III (under MS-DOS 3.30, Phar Lap 2.0)	Any Host	Alsys Alsycomp_037 Version 5.4.2 (BASE #901114N1.11065)	INMOS T800 transputer on a B405 TRAM board (bare), with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS Server V1.42h)	INMOS T800 transputer on a B405 TRAM (bare), using an IBM PC/AT under MS-DOS 3.1 running INMOS Server V1.42h for file-server support via an INMOS B008 board link and INMOS T425 transputer on a B403 TRAM (bare), using an IBM PC/AT under MS-DOS 3.1 running INMOS Server V1.42h for file-server support via an INMOS B008 board link
*Validated by Registration			*Validated by Registration		
Alsys AlsyCOMP_016 Version 5.1 (BASE #901102W1.11056)	Any Computer System Comprising: cpu: Intel 80386; fpu: optional; memory: 5 MByte RAM; disk: 10 MByte (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host	Alsys AlsyCOMP_012, Version 5.3 (#901116A1.11066)	HP 9000s350 (under HP-UX 6.5)	Motorola MVME101 (68000) (bare machine, using ARTK Version 5.3)
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11057)	ALR Power Veisa 486 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host			
Alsys AlsyCOMP_003 Version 5.1 (#901102W1.11058)	HP Vectra RS/25C (under MS-DOS 3.30)	Same as Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_012, Version 5.3 (BASE #901116A1.11066)	HP 9000 Series 300, Models 340, 345, 360, 370 & 375 (under HP-UX 6.5 & 7.0)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882) (bare machines, using ARTK 5.3)
Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11058)	Unisys Desktop III (under MS-DOS 3.30)	Same as Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_012, Version 5.3 (BASE #901116A1.11066)	HP 9000 Series 300 (all models) (under HP-UX 6.5 & 7.0)	Motorola M68332EVS Evaluation System Customers (CPU32) (bare machine, using ARTK 5.3)
Alsys AlsyCOMP_003 Version 5.1 (BASE #901102W1.11058)	Any Computer System that executes the Intel 80286, 80386, or 80486 instruction set (under MS/DOS 5.0)	Any Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_012 Version 5.5.1 (BASE #901116A1.11066)	HP 9000 Series 400 (all models) (under HP-UX 8.0)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME 131, MVME133, MVME133XT, MVME135, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
Alsys AlsyCOMP_003 Version 5.1 (#901102W1.11059)	Zenith Z-248 Model 50 (under MS-DOS 3.30)	Same as Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_048 Version 5.5.1 (BASE #901116A1.11066)	Sun SPARCstation & SPARCserver computer families; SPARCcenter 2000 (under SunOS 4.1.2); Solbourne Series 5/100, /530, /600, /670, /800, SE/900; & S4000 (under OS/MP 4.1A.1)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11059)	ICS S8286SC/12 (under MS-DOS 3.30)	Same as Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_063 Version 5.5.1 (BASE #901116A1.11066)	HP 9000 Series 700 (all models) (under HP-UX 9.0)	Motorola MVME101, MVME121, M68332EVS, MVME131, MVME133, MVME133XT, MVME135, MVME147, & MVME167 (68000-, 68010-, 68020-, 68030-, & 68040-based single-board computers) (bare machines, using ARTK 5.5.1)
Alsys AlsyCOMP_037, Version 5.2 (#901114N1.11065)	INMOS T800 transputer on a B405 TRAM (bare) with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS Server V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 for file-server support via an INMOS B008 board link			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_048, V5.5.2 (BASE #901116A1.11066)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers; and SPARCcenter 2000 (under SunOS 4.1.2)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, MVME147, MVME167, & MEN A4 (68332)(bare machines, using ARTK 5.5.2)	*Validated by Registration Alsys AlsyCOMP_017, V5.3 (BASE #901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare) using the Host running INMOS Server 1.3 for file-server support via a CAPLIN QTO board link; INMOS T800 transputer on a B405 TRAM (bare) using the Host running INMOS Server 1.3 for file-server support via a CAPLIN QTO board link
*Validated by Registration Alsys AlsyCOMP_063, V5.5.2 (BASE #901116A1.11066)	Hewlett-Packard HP9000 Series 700 (under HP-UX 9.0)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, MVME147, MVME167, MEN A4 (68332)(bare machines, using ARTK 5.5.2)	*Validated by Registration Alsys Alsycomp_017 Version 5.4.3 (BASE #901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare), using the Host running INMOS Server V1.42i for file-server support via a CAPLIN QTO board link and INMOS T800 transputer on a B405 TRAM (bare), using the Host running INMOS Server V1.42i for file-server support via a CAPLIN QTO board link
*Validated by Registration Alsys AlsyCOMP_79, V5.5.2 (BASE #901116A1.11066)	IBM RS/6000 models M20, 220/225/22W,230/235/23W, 34H, 355, 360, 365, 370, 375/37T, 55L, 570, 580, 58H, 590, 97B, 98B, & 990; CETIA models SBW 225, 2225, 2230, 334H, 3355, 3360, 3365, 3370, 3375, 5580, 558H, 5590, & 9990 (under ADX Version 3.2)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, MVME147, MVME167, & MEN A4 (68332)(bare machines, using ARTK 5.5.2)	Alsys AlsyCOMP_018 Version 5.2 (#901120A1.11070)	MicroVAX 3100 (under VMS 5.3)	Same as Host
Alsys AlsyCOMP_036, Version 5.3 (#901116A1.11067)	Apollo DN4000 (under Domain/OS SR10.2)	Motorola MVME147-1 (68030/68882)(bare machine, using ARTK Version 5.3)	*Validated by Registration Alsys AlsyCOMP_018, Version 5.2 (BASE #901120A1.11070)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS 5.2 & 5.4)	Any Host
*Validated by Registration Alsys AlsyCOMP_036, Version 5.3 (BASE #901116A1.11067)	Apollo DN 3000, 3500, 4000 & 4500 (under Domain/OS SR10.2 & SR10.3)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882)(bare machines, using ARTK 5.3)	Alsys AlsyCOMP_006, Version 5.3 (#901125N1.11071)	IBM 9370 Model 90 (under VM/IS CMS release 5.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_036 Version 5.5.1 (BASE #901116A1.11067)	HP 9000 Series 400 (all models) (under DomainOS SR 10.4)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)	Alsys AlsyCOMP_023, Version 5.3 (#901125N1.11072)	IBM 370 3084Q (under MVS/XA release 3.2)	Same as Host
Alsys AlsyCOMP_015, Version 5.3 (#901116A1.11068)	Sun 3/260 (under SunOS 3.2)	Motorola MVME121 (68010) (bare machine, using ARTK Version 5.3)	Alsys AlsyCOMP_011, Version 5.3 (#901127A1.11069)	VAX 6210 (under VMS 5.2)	Motorola MVME135-1 (68020/68881)(bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_015, Version 5.3 (BASE #901116A1.11068)	Sun 3/50, /60, /75, /80, /160, /260, /280, /470 & /480 (under SunOS 3.2, 3.5, 4.0 & 4.1)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882)(bare machines, using ARTK 5.3)	*Validated by Registration Alsys AlsyCOMP_011, Version 5.3 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS 5.2, 5.3 & 5.4)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882)(bare machines, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_015 Version 5.5.1 (BASE #901116A1.11068)	Sun Microsystems Sun-3 computer family (under SunOS 4.1.1)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)	*Validated by Registration Alsys AlsyCOMP_011 Version 5.3.1 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 series of computers (under VMS 5.2, 5.3, & 5.4, as supported)	Motorola MVME101 (68000), MVME121 (68010), MVME133XT & MVME135-1 (68020), & MVME147-1 (68030)(bare machines, using ARTK 5.3.1)
Alsys AlsyCOMP_017, Version 5.2 (#901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare) using the Host running INMOS Server 1.3 for file-server support via a CAPLIN QTO board link	*Validated by Registration Alsys AlsyCOMP_028 Version 5.3 (BASE #901127A1.11069)	Compaq Deskpro 386/20 (under DOS 3.31 & 5.0)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135-1, MVME147-1, M68332EVS(68000, 68010, 68020, & 68030 cpu.s) (bare machine, using ARTK Version 5.3)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_011 Version 5.5.1 (BASE #901127A1.111069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 computer series (under VMS 5.4)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)	Alsys AlsyCOMP_034 Version 5.1 (#910129W1.11113)	IBM PS/2 Model 80 (under LinuxOS Version 2.0 + Threads Release 11)	Same as Host
Alsys AlsyCOMP_034, Version 5.1 (#901221W1.11103)	Multitech 1100 (under SCO Unix 3.2)	Same as Host	*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #910129W1.11113)	IBM PS/2 Models 70-xxx & 80-xxx (under LinuxOS Version 2.0 Release 15)	Any Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Everex AG1 3000D, Compaq Deskpro 386 & SAJ Technologies Army Lightweight Computer Unit (LCU V2) (under Interactive Unix 3.2)	Each Host, self-targeted	*Validated by Registration Alsys AlsyCOMP_070 Version 5.5.3 (BASE #910129W1.11113)	Any computer system that executes the Intel 80386 or i486 instruction set (under LinuxOS, Version 2.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Prime MBX (under Prime Unix V.4)	Same as Host	Alsys AlsyCOMP_056, Version 1.82 (#91013111.11127)	Sun 3/60 (under SunOS, Version 4.0.3)	KWS EB68020 (under OS-9/68020, Version 2.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Any Computer System comprising: cpu: Intel 80386 or 80486; fpu: optional (under a Unix 3.2-based OS)	Each Host, self-targeted	Alsys AlsyCOMP_055, Version 1.82 (#91020111.11128)	VAX 8530 (under VMS, Version 5.3-1)	KWS EB68020 (under OS-9/68020, Version 2.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under SCO Open Desktop 1.1 & SCO Unix 3.2, SCO Open Desktop 2.0 & SCO Unix 3.2.4, Interactive Unix 3.2.2, and AT&T Unix System V Release 4.0)	Any Host	Alsys AlsyCOMP_029, Version 5.3 (#910323W1.11131)	CompuAdd 325 (under DOS 3.31)	Intel iSBC 386/116 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under SCO Open Desktop 1.1 & SCO Unix 3.2, SCO Open Desktop 2.0 & SCO Unix 3.2.4, Interactive Unix 3.2.2, and AT&T Unix System V Release 4.0)	Any Host	*Validated by Registration Alsys AlsyCOMP_029, Version 5.3.1 (BASE #910323W1.11131)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under MS-DOS version 5.0 & Phar Lap version 4.0)	Any 80486 single board computer (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1.2 (BASE #901221W1.11103)	Zenith Data Systems Z-Station 433 DEh (under SCO Unix 3.2.4 running SecureWare CMW+ Version 2.2)	Same as Host	Alsys AlsyCOMP_030, Version 5.3 (#910323W1.11132)	MicroVAX II (under VMS 5.2)	Intel iSBC 386/31 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.5 (BASE #901221W1.11103)	Any computer system that executes the Intel 80386 or i486 instruction set (under SCO Open Desktop 2.0 with SCO Unix version 3.2.4, Interactive Unix 3.2.2, or AT&T Unix System V Release 4.0)	Any Host (same OS as Host)	*Validated by Registration Alsys AlsyCOMP_030, Version 5.3.1 (BASE #910323W1.11132)	MicroVAX II (under VMS 5.2)	Any 80386 single board computer (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1.2 (BASE #901221W1.11103)	SAK LCU V2 (under SCO Open Desktop 2.0 (SCO Unix 3.2.4))	Same as Host	Alsys AlsyCOMP_033, Version 5.3 (#910323W1.11133)	Sun 3/140 (under SunOS 4.1)	Intel iSBC 386/12 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_043, Version 5.3 (#901221W1.11104)	Apple Macintosh IIcx (under Macintosh System Software 6.0.5)	Same as Host	*Validated by Registration Alsys AlsyCOMP_052, Version 5.3.1 (BASE #910323W1.11133)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Intel iSBC 386/31, iSBC 386/1xx, iSBC 486/1xx (bare machines, using ARTK 5.3)
			Alsys AlsyCOMP_049, Version 1.83 (#91040711.11144)	VAX 8530 (under VMS Version 5.3-1)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)
			*Validated by Registration Alsys AlsyCOMP_049, Version 1.83-01 (BASE #91040711.11144)	VAX 8530 (under VMS 5.3-1)	Lockheed Sanders STAR MVP (R3000/R3010) (bare machine)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_049, Version 1.84 (BASE #91040711.11144)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 series of computers (under VMS 5.3 & 5.4)	Lockheed Sanders STAR MVP board (R3000/R3010)(bare machine)	*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05)); HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))	HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))
Alsys AlsyCOMP_057, Version 1.83 (#91062511.11193)	DECstation 3100 (under ULTRIX Version 4.0)	Same as Host	*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11228)	HP 9000 Series 800 Models 807, 817, 847, & 867 (under HP-UX B-Level Security Operating System, Version A.08.08)	Any Host
*Validated by Registration Alsys AlsyCOMP_057, Version 1.83-01 (BASE #91062511.11193)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0 & 4.2)	Any Host	*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.1 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 800, all models (under HP-UX, Version 9.0)
Alsys AlsyCOMP_024, Version 5.3 (#910809W1.11195)	IBM RISC System 6000, model 520 (under AIX v3.1)	Same as Host	*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.2 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 800, all models (under HP-UX, Version 9.0)
*Validated by Registration Alsys AlsyCOMP_024 V5.4 (BASE #910809W1.11195)	IBM RISC System 6000 (all models) (under AIX 3.2)	Any Host	Alsys AlsyCOMP_072 Version 5.37 (#911119A1.11231)	Sun SPARCstation 2 (under SunOS 4.1.1)	Same as Host
Alsys AlsyCOMP_058, Version 5.3 (#910809W1.11196)	Unisys B39 (under BTOS II, v3.2.0)	Same as Host	*Validated by Registration Alsys AlsyCOMP_047, Version 5.37 (BASE #911119A1.11231)	Sun SPARCstation ELC, IPC & IPX; SPARCserver 330, 370, 390, 470, 490, 630MP, 670MP & 690MP (under SunOS 4.1.1)	Any Host
Alsys AlsyCOMP_040, Version 5.3 (#910809W1.11197)	HP Vectra RS/25C (under DOS 3.30)	Unisys B39 (under BTOS II, v3.2.0)	*Validated by Registration Alsys AlsyCOMP_047, Version 5.37 (BASE #911119A1.11231)	Solbourne Series 5/500, /530, /600, /670, /800, & 5E/900; and S4000 (under OS/MP 4.1)	Any Host
Alsys AlsyCOMP_062, Version 5.35 (#911107W1.11227)	HP 9000 Series 700 Model 720 (under HP-UX, Version A.B8.05 (release 8.05))	Same as Host	*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	SPARCstation ELC, IPC, & IPX; SPARCserver 330, 370, 390, 490, 690MP, 670MP, & 690MP (under SunOS 4.1.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05)); HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05))	*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	Solbourne Series 5/500, /530, /600, /670, /800, & 5E/900; & S4000 (under OS/MP 4.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.1 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1)	*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer series (all models) (under Solaris 2.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_076, Version 5.5.2 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.1)	HP 9000/742 RT VME board (under HP-RT, Version 1.1)	*Validated by Registration Alsys AlsyCOMP_061, Version 1.83 (#92042911.11251)	DECstation 3100 (under ULTRIX Version 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010)(bare machine)
*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.2 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1)	*Validated by Registration Alsys AlsyCOMP_061, Version 1.84 (BASE #92042911.11251)	DEC DECstation & DECsystem computer families (under ULTRIX 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010)(bare machine)
Alsys AlsyCOMP_062, Version 5.35 (#911107W1.11228)	HP 9000 Series 800 Model 835 (under HP-UX, Version A.B8.00 (release 8.00))	Same as Host			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_061, Version 1.84-01 (BASE #92042911.11251)	DEC DECstation & DECsystem computer families (under ULTRIX 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010), Integrated Device Technology IDT7RS385board (R3081E) (bare machines)	Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11308)	HP 9000 Series 800 Model 867 (under HP-UX BLS Version A.08.08)	Same as Host
Alsys AlsyCOMP_069, Version 1.83 (#92073011.11262)	Control Data 4336 (under TC/DX 1.0.2)	Same as Host	Alsys Alsys Ada Software Development Environment for HP 9000 Series 700/800, Version 5.35 (#930115S1.11309)	Zenith Data Systems Z-Station 433 DEh (under SCO Unix 3.2 running SecureWare CMW+ Version 2.2 w/MaxSix)	Same as Host
*Validated by Registration Alsys AlsyCOMP_069, Version 1.83 (BASE #92073011.11262)	Control Data 4000 series of computers (under TC/DX 1.0.2 & 1.1)	Any Host	Alsys AlsyCOMP_068, Version 1.83 (#93012511.11310)	Control Data 4680 (under EP/DX 1.4.3)	Same as Host
*Validated by Registration Alsys AlsyCOMP_069, Version 1.83 (BASE #92073011.11262)	Control Data 4000 series of computers (under TC/DX 1.2)	Any Host	Alsys AlsyCOMP_032, 5.5 (#931208W1.11333)	CompuAdd 433 (under IBM OS/2, Version 2.1 + Threads)	Same as Host
Alsys AlsyCOMP_062 Version 5.35 (#921118N1.11298)	HP 9000 Series 800 Model 827 (under HP-UX Version 8.02)	Same as Host	*Validated by Registration Alsys (formerly TeleSoft) TeleGen2Ada Cross Development System for Sun-4 to 68k, Version 4.1aS (or VIA_S) (BASE #92121811.11304)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers (under SunOS 4.1)	DY 4 Systems SYME-122 (bare machine, using TeleAda-Exec)
Alsys AlsyCOMP_073, Version 5.3 (#921126N1.11300)	IBM ES/9000 Model 610 (under ADXESA Version 2)	Same as Host	Alsys / German MoD NATO SWG on APSE Compiler for Sun3/SunOS, Version S3C1.82-02 (#91101611.11233)	Sun-3/60 (under SunOS Version 4.0.3, with CAIS Version 5.5D)	Sun-3/60 (under SunOS Version 4.0.3)
Alsys AlsyCOMP_019 Version 5.3.1 (#921210W1.11302)	CompuAdd 433 (under MS-DOS 5.0 running Phar Lap 4.0)	Intel iSBC 186/100 (bare machine)	Alsys / German MoD NATO SWG on APSE Compiler for VAX/VMS, Version VC1.82-02 (#91111811.11236)	VAX 8350 (under VMS Version 5.4-1, with CAIS Version 5.5E)	VAX 8350 (under VMS Version 5.4-1)
*Validated by Registration Alsys AlsyCOMP_065, Version 5.3 (BASE #921210W1.11302)	Sun Microsystems Sun-4, SPARCserver, and SPARCstation computer families (under SunOS 4.1)	Any Intel 8086, 80186, or 80286 single-board computer (bare machine, running ARTK 5.3)	Alsys / German MoD NATO SWG on APSE Compiler for VAX/VMS to MC68020, Version VCM1.82-02 (#92030611.11248)	VAX 8350 (under VMS Version 5.4-1, with CAIS Version 5.5E)	Motorola MVME133XT (MC68020) (bare machine)
*Validated by Registration Alsys AlsyCOMP_019 Version 5.3.1 (BASE #921210W1.11302)	CompuAdd 433 (under MS-DOS 5.0 running Phar Lap 4.0)	Any 80C186EB- & 80C188EB-based single-board computers (bare machines)	Alsys / German MoD NATO SWG on APSE Compiler for Sun3/SunOS to MC68020, Version S3CM1.82 (#92072811.11261)	Sun-3/60 (under SunOS Version 4.0.3, with CAIS Version 5.5E)	Motorola MVME133XT (MC68020) (bare machine)
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11305)	HP 9000 Series 800 Model 807 (under HP-UX BLS Version A.08.08)	Same as Host	ATLAS ELEKTRONIK GmbH ATLAS ELEKTRONIK Ada Compiler VVME 1.82 (#91032411.11136)	VAX 6000-410 (under VMS Version 5.2)	ATLAS ELEKTRONIK GmbH MPR 2300 (under MOS 2300, Version 2.1)
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11306)	HP 9000 Series 800 Model 817 (under HP-UX BLS Version A.08.08)	Same as Host			
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11307)	HP 9000 Series 800 Model 847 (under HP-UX BLS Version A.08.08)	Same as Host			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Concurrent Computer Corporation C3Ada, Version 0.5 (#90042711.11008)	Concurrent Computer Corporation 8400 (MIPS R3000/3010)(under RTU Version 5.1)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.0 (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (MIPS R3000/3010)(under RTU Versions 5.1A, 5.1B & 6.0)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3Ada, Version 0.5 (BASE #90042711.11008)	Concurrent Computer Corporation 8500 (MIPS R3000/R3010)(under RTU Version 5.1)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0p (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (R3000/3010), all models (under RTU Versions 5.1A, 5.1B & 6.0)	Same as Host
Concurrent Computer Corporation C3 Ada Version 1.1v (#901130W1.11107)	Concurrent Computer Corporation 6650 with Super Lightning Floating Point (under RTU Version 5.0C)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0b (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (MIPS R3000/3010)(under RTU Version 6.0)	Any Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1v (BASE #901130W1.11107)	Concurrent Computer Corporation Series 6000 with Super Lightning Floating Point, and Series 5000 with Lightning Floating Point (all models) (under RTU Version 5.0A, 5.0B & 5.0C)	Any Host	Concurrent Computer Corporation C3 Ada Version 1.1v (#901130W1.11110)	Concurrent Computer Corporation 6650 with MC68882 Floating Point (under RTU Version 5.0C)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1 (BASE #901130W1.11107)	Concurrent Computer Corporation Series 6000 (MC68030, with Super Lightning Floating Point) & Series 5000 (MC68020, with Lightning Floating Point) (under RTU Versions 5.0A, 5.0B, 5.0C & 6.0)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1v (BASE #901130W1.11110)	Concurrent Computer Corporation Series 6000 with an MC68882 fpu, and Series 5000 with an MC68881 fpu (all models) (under RTU Versions 5.0A, 5.0B & 5.0C)	Any Host
Concurrent Computer Corporation C3 Ada Version R03-00V (#901130W1.11108)	Concurrent Computer Corporation 3280MPS (under OS/32 Version R08-03.2)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1 (BASE #901130W1.11110)	Concurrent Computer Corporation Series 6000 (MC68030/MC68882) & Series 5000 (MC68020/MC68881) (under RTU Versions 5.0A, 5.0B, 5.0C & 6.0)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version R03-00V (BASE #901130W1.11108)	Concurrent Computer Corporation Series 3200: 3200 MPS, 3203, 3205, 3210, 3220, 3230, 3250, 3230XP, 3250XP, 3230MPS, 3260MPS, Micro4, and Micro5 (under OS/32 Versions R08-03, R08-03.1 & R08-03.2)	Any Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.2 & 2.0b (BASE #901130W1.11110)	Concurrent Computer Corporation Series 7000 (MC68040)(under RTU Version 6.1)	Any Host
*Validated by Registration Concurrent Computer Corporation C3Ada Version R03-00 (BASE #901130W1.11108)	Concurrent Computer Corporation System Bus Processor family of computers (under Trusted OS/32 and MTM Version R08-03.3S, and OS/32 Versions R08-03.2, R09-01.1OS/32, & R09-02)	Any Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0b (BASE #901130W1.11110)	Concurrent Computer Corporation Series 7000 (MC68040)(under RTU Version 6.1)	Any Host
Concurrent Computer Corporation C3 Ada Version 1.0v (#901130W1.11109)	Concurrent Computer Corporation 8400 (MIPS R3000/3010)(under RTU Version 5.1)	Same as Host	Control Data Systems, Inc. NOS/VE Ada, Version 1.4 (#931217S1.11336)	CYBER 180-930-31 (under NOS/VE, Level 826)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.0v (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (all models) (under RTU Versions 5.1, 5.1A & 5.1B)	Any Host	CONVEX Computer Corporation CONVEX Ada, Version 2.0 (#900910W1.11027)	CONVEX C220 (under ConvexOS 8.1)	Same as Host

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration CONVEK Computer Corporation CONVEK Ada, Version 2.0 (BASE #900910W1.11027)	CONVEK C120, C201, C202, C210, C220, C230, C240, C210i, C220i & C230i (under ConvexOS, Versions 8.1 and 9.0)	Any Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11117)	Cray Y-MP, all models (under UNICOS Releases 5.1, 6.0 & 6.1)	Each Host, self-targeted
*Validated by Registration CONVEK Computer Corporation CONVEK Ada, Version 2.0 (BASE #900910W1.11027)	CONVEK C120, C201, C202, C210, C210i, C220, C220i, C230, C230i, C240, C3210, C3220, C3230, C3240, C3410, C3420, C3430, C3440, C3450, C3460, C3470, C3480, C3810, C3820, C3830, C3840, C3850, C3860, C3870, C3880 (under ConvexOS versions 8.1, 9.0, 9.1 & 10.0)	Each Host, self-targeted	*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11117)	Cray Y-MP EL (under UNICOS Releases 6.0 & 6.1)	Same as Host
*Validated by Registration CONVEK Computer Corporation CONVEK Ada, Version 2.1 (BASE #900910W1.11027)	CONVEK C120, and C2xx, C32xx, C34xx, & C38xx computer series (under ConvexOS, Versions 8.1, 9.0, 9.1, 10.0, & 10.1; and ConvexOS/Secure Versions 9.5 & 10.0)	Same as Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #901112W1.11117)	Cray Y-MP & Y-MP EL (all models) (under UNICOS Releases 6.1)	Each Host, self-targeted
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #901112W1.11116)	Cray X-MP/EA & X-MP (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.1 (BASE #901112W1.11117)	Cray C-90 (in Y-MP mode) (under UNICOS 7C.0)	Same as Host
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #901112W1.11117)	Cray Y-MP & Y-MP EL (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host	Cray Research, Inc. Cray Ada Compiler Release 2.0 (#911006W1.11223)	Cray-2/4-128 (under UNICOS Release 6.1)	Same as Host
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #911006W1.11223)	Cray CRAY-2/4-128 (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #911006W1.11223)	Cray-2 (all models) (under UNICOS Release 6.1)	Each Host, self-targeted
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#901112W1.11116)	Cray X-MP/EA (under UNICOS Release 5.0)	Same as Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #911006W1.11223)	Cray-2/4-128 (all models) (under UNICOS Release 6.1)	Each Host, self-targeted
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11116)	Cray X-MP & X-MP/EA, all models (under UNICOS Releases 5.1, 6.0 & 6.1)	Each Host, self-targeted	DDC International A/S DACS VAX/VMS Native Ada Compiler System, Version 4.6 (#901129S1.11050)	VAX 8530 (under VMS Version 5.3)	Same as Host
*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #901112W1.11116)	X-MP/EA (all models) (under UNICOS Release 6.1)	Same as Host	DDC International A/S DACS VAX/VMS to 68020 Bare Cross Compiler System, Version 4.6 (#901129S1.11051)	MicroVAX 3100 (under VMS Version 5.3)	Motorola MVME133 board (68020/68881) (bare machine)
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#901112W1.11117)	Cray Y-MP (under UNICOS Release 5.0)	Same as Host	DDC International A/S DACS VAX/VMS to 80386 PM Bare Ada Cross Compiler System, Version 4.6 (#901129S1.11074)	VAX 8530 (under VMS Version 5.3)	Intel iSBK 386/21 (bare machine)
			DDC International A/S DACS 80386 UNIX V Ada Compiler System, Version 4.6 (#901129S1.11075)	ICL DR5300 (under DR5/NX, Version 3.2 (UNIX System V/386 release 3.2))	Same as Host

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
DDC International A/S DACS Sun3/SunOS Native Ada Compiler System, Version 4.6 (#901129S1.11076)	Sun-3/60 (under SunOS, Version 4.0_Export)	Same as Host	*Validated by Registration DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)
DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (#901129S1.11077)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)	*Validated by Registration DDC International A/S DACS VAX/VMS to 8086 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 86/35 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)	*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 8086 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 86/35 (bare machine)	*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 PM Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 in Protected Mode (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 (bare machine)	DDC International A/S DACS 80386 DMS/OS Ada Compiler System, Version 4.6 (#901129S1.11112)	IBM PS/2 Model 80-311 (under LynxOS 386/PS2, Version 2.0A)	Same as Host
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 PM Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 in Protected Mode (bare machine)	DDC International A/S DACS VAX/VMS to 80860 Bare Ada Cross Compiler System, Version 4.6.1 (#910502S1.11158)	VAX 8530 (under VMS Version 5.3)	Tadpole Technology plc TP860M (bare machine)
DDC International A/S DACS VAX/VMS to 80386 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (#901129S1.11078)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 386/21 (bare machine)	DDC International A/S DACS Sun-3/SunOS to 68030 Bare Ada Cross Compiler System, Version 4.6.4, MRI IEEE 695 (BASIC_MODE) (#910502S1.11159)	Sun-3/50 (under SunOS Release 4.0_Export)	Motorola MVME143 board (68030/68882)(bare machine)
DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System, Version 4.6 (#901129S1.11079)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)	DDC International A/S DACS Sun-3/SunOS to 68030 Bare Ada Cross Compiler System, Version 4.6.4, MRI IEEE 695 (SECURE_MODE) (#910502S1.11160)	Sun-3/50 (under SunOS Release 4.0_Export)	Motorola MVME143 board (68030/68882)(bare machine)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration DDC-I, Inc. DACS VAX/VMS to 80486PM Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11074)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 486/125 (bare machine)	Digital Equipment Corporation VAX Ada, Version 2.2 (#901109S1.11053)	VAX 8800 (under VMS Version 5.4)	Same as Host
DDC-I, Inc. DACS MIPS RISC/cs to MIPS R3000 Bare Ada Cross Compiler System, Release 2.1-1.6 (#920805S1.11263)	MIPS M/120-5 (under RISC/cs Version 4.50)	Lockheed Sanders STAR MVP R3000/R3010Board (bare machine)	*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11053)	DEC VAX-11, VAXserver, VAXstation, VAXit, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MiVAX Computer Model MiVAX II (under VMS Version 5.4)	Any Host
DDC-I, Inc. DACS DECstation/ULTRIX to MIPS R3000 Bare Ada Cross Compiler System, Release 2.1-1.6 (#920805S1.11264)	DECstation 3100 (under ULTRIX Version 4.0)	Integrated Device Technology IDT7RS301R3000/R3010Board (bare machine)	*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.3 (BASE #901109S1.11053)	All VAX, MicroVAX, VAXstation, VAXserver series of computers (as supported) (under VMS Versions 5.4 & 5.5)	Any Host
DDC-I, Inc. DACS Sun SPARC/SunOS Native Ada Compiler System, Version 4.6.1 (#920805S1.11265)	SPARCstation 2 (under SunOS, Version 4.1.1)	Same as Host	Digital Equipment Corporation VAX Ada, Version 2.2 (#901109S1.11054)	VAX 8800 (under VMS Version 5.4)	MicroVAX II (under VAXELN Version 4.1, using VAXELN Ada Version 2.2)
DDC-Inter, Inc. InterACT Ada 1750A Compiler System, Release 3.5 (#910705S1.11191)	MicroVAX 3100 Cluster (under VMS 5.2)	InterACT MIL-STD-1750A Instruction Set Architecture Simulator Release 2.3 (bare machine simulation)	*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11054)	DEC VAX-11, VAXserver, VAXstation, VAXit, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MiVAX Computer Model MiVAX II (under VMS Version 5.4)	VAX 4000 Models 200 & 300; VAX 6000 Series 200, 300 & 400; VAX 8200, 8250, 8500, 8530, 8550, 8700, 8800 & 8810; VAX-11/730 & /750; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation 2000, 3100, 3150, 3200, 3500 & II/GPX; VAXserver 3100, 3300, 3400, 3500, 3600, 3800, 3900; VAXserver 4000-300; VAXserver 6000 Models 210, 220, 310, 320, 410 & 420; Ratheon Military VAX Computer Models 810 & 860; Norden MiVAX Computer Model MiVAX II, IVAX 620 & 630; VAX RTA; KA620-BA & KA800-M; rVAX 300, 1000, 3200, 3300, 3305, 3400, 3500, 3600, 3800, 4000 Model 300, 8550, 8700, rVAX 6000 Models 200, 300 & 400 Series and rVAXstation 3100 Models 30 & 38 (under VAXELN Version 4.2, using VAXELN Ada Version 2.2)
DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.0 (#910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010Board (bare machine)			
*Validated by Registration DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.1 (BASE #910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010Board (bare machine)			
DDC-INTER, Inc. DACS Sun SPARC/SunOS to 80386 PM bare Ada Cross Compiler System, Version 4.6.4 (#931119S1.11331)	Sun SPARCstation 1+ (under SunOS, Release 4.1.1)	Intel iSBC 386/116 (bare machine)	*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11054)	VAX 6000 Model 200, 300 & 400 Series; VAX 8200, 8250, 8300, 8350, 8500, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 8842, 8974 & 8978; VAX-11/730, /750, /780, /785; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation II, 2000, 3100 series, 3200, 3500, 3520, 3540 & 8000; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 6000-310, 6000-410 & 6000-420; Ratheon Military VAX Computer Model 860 (under VMS Version 5.4)	VAX 6000 Model 200, 300 & 400 Series; VAX 8200, 8250, 8500, 8530, 8550, 8700, 8800 & 8810; VAX-11/730 & /750; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation 2000, 3100, 3150, 3200, 3500 & II/GPX; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 6000 Models 210 220, 310, 320, 410 & 420; Ratheon Military VAX Computer Models 810 & 860; Norden Systems: Mil Vax II, IVAX 620 & 630; VAX RTA; KA620-BA, rVAX 300, 1000, 3200, 3300, 3305, 3400, 3500, 3600, 3800, 8550, 8700, rVAX 6000 Model 200, 300 & 400 Series & rVAXstation 3100 Models 30 & 38 (under VAXELN Version 4.1 using VAXELN Ada Version 2.2)
DDC-INTER, Inc. DACS MIPS R3000 bare Ada Cross Compiler System, Version 4.7.1 (#931119S1.11332)	Sun SPARCstation IPX (under SunOS, Release 4.1.3)	DACS Sun SPARC/SunOS to MIPS R3000 Bare Instruction Set Architecture Simulator, Version 4.7.1, executing on the Host (bare machine simulation)			
*Validated by Registration DESC Ltd VME Ada Compiler VA3.25 (BASE #921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host			
*Validated by Registration DESC Ltd VME Ada Compiler VA3.20 (BASE #921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.3 (BASE #901109S1.11054)	All VAX, MicroVAX, VAXstation, VAXserver series of computers (as supported) (under VMS Versions 5.4 & 5.5)	VAX 4000, 6000, & 9000 series of computers; MicroVAX II, 2000, & 3000 series of computers; VAXstation II, 2000, 3000, & 4000 series of computers; VAXserver 3000, 4000, & 6000 series of computers; IVAX 620 & 630; KA620-BA, KA800-M, & KAV30 VME SBC; rVAX 300, 1000, 3000, 4000, 6000, & 9000 series of computers; rVAXstation 3100 series of computers; (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)	*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (BASE #930319S1.11317)	VAXr, VAX 4000, 6000, 8000, 9000, & 10000; MicroVAX II, 2000, & 3000; VAXstation II, 2000, 3000, 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VMS Version 5.4 & 5.5)	VAX 4000, 6000, & 9000; MicroVAX II, 2000, 3000; KA620-BA, KAV30 VME SBC, KA800-M; rVAX 300, 1000, 3000, 4000, 6000, 9000, & rVAXstation 3100; IVAX 620 & 630; VAXstation II, 2000, 3000, & 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)
Digital Equipment Corporation DEC Ada, Version 1.0 (#911025S1.11226)	DECstation 5000 Model 200 (under ULTRIX 4.2)	Same as Host	Digital Equipment Corporation DEC Ada for DEC OSF/1 AXP Systems, Version 3.1 (#931029S1.11330)	DEC 3000 Model 400 (under DEC OSF/1, Version 1.3)	Same as Host
*Validated by Registration Digital Equipment Corporation DEC Ada, Version 1.0 (BASE #911025S1.11226)	DECstation 2100, 3100, 3100s, Any Host 5000 Models 120/125, 120/125CX, 120/125PXG, 120/125PXGTURBO, 200, 200CX, 200PX, 200PXG, 200PXGTURBO; and DECsystem 3100, 5000 Model 200, 5100, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX Versions 4.0, 4.1 & 4.2)		*Validated by Registration Digital Equipment Corporation DEC Ada for DEC OSF/1 AXP Systems, Version 3.1 (BASE #931029S1.11330)	DEC 2000 Server, 3000 Workstation and Server models, 4000, 7000, & 10000 series of AXP computers (under DEC OSF/1 Version 1.3)	Any Host
*Validated by Registration Digital Equipment Corporation DEC Ada, Version 1.0 (BASE #911025S1.11226)	DEC DECstation 2100, 3100, & Any Host 5000, and DECsystem 5000, 5100, 5400, 5500, 5800, & 5900 series of computers (under ULTRIX Versions 4.0, 4.1, 4.2, & 4.2A)		*Validated by Registration Dowty Maritime Limited TeleGen2 Ada Cross Development System, Version 3.2 for VAX/VMS to 386 (BASE #91032S1.11139)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAXr; and VAX 4000, 6000, 7000, 8000, 9000, & 10000 series of computers (under VMS 5.5-2)	All members of the Intel iSBC 386 & iSBC 486 model series (bare machines, using TeleAda-EXEC 3.2)
*Validated by Registration Digital Equipment Corporation DEC Ada, Version 1.1 (BASE #911025S1.11226)	DECstation 2100, 3100, & 5000; Any Host and DECsystem 3100, 5000, 5100, 5400, 5500, 5810, 5820, 5840, & 5900 series of computers (under Ultrix Version 4.2)		E-Systems/ECI Division Tolerant Ada Development System, Version 6.0 (#901003W1.11039)	Tolerant Eternity (under TX, 5.4.0)	Same as Host
Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0-5 (#930319S1.11315)	DEC 3000 Model 400 (under OpenVMS AXP Operating System, Version 1.0)	Same as Host	EDS-Scicon Defence Limited XD Ada MC68040/ARTX Version 1.2 (#921112N1.11297)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	Motorola MVME167 (68040) (bare machine)
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0-5 (BASE #930319S1.11315)	DEC 3000 Workstation and Server models, 4000, 7000, & 10000 series of AXP computers (under OpenVMS Version 1.0)	Any Host	Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11114)	Encore 91 Series Model 91-0340 (under UMAX 3.0)	Same as Host
Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (#930319S1.11316)	VAXstation 4000 Model 60 (under VMS Version 5.5)	Same as Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0)	Any Host
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (BASE #930319S1.11316)	VAXr, VAX 4000, 6000, 8000, 9000, & 10000; MicroVAX II, 2000, & 3000; VAXstation II, 2000, 3000, 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VMS Version 5.4 & 5.5)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.0 (BASE #910130W1.11114)	Encore 91, 93, & 94 Series, all models (under UMAX 3.0)	Any Host
Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (#930319S1.11317)	VAXstation 4000 Model 60 (under VMS Version 5.5)	VAXstation 3100 Model 48 (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore Infinity 90 Series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host machine (under MicroARTE 1.2.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11115)	Encore 93 Series, all models (under UMAX 3.1.X)	Any Host machine (under MicroARTE 1.2.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore 93 Series, all models (under UMAX 3.1.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host machine (under ARTE Target Runtime 2.0.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11114)	Encore Infinity 90 Series, all models (under UNMAX 3.0.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11115)	Encore Infinity R/T series, all models (under UMAX 3.0.X)	Any Host machine (under ARTE 2.0.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Green Hills Software, Inc. Green Hills Optimizing Ada Compiler, 1.8.7 (BASE #940223W1.11338)	SPARCstation 10 (under SunOS, Release 4.1.3)	Same as Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11114)	Encore Infinity R/T series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Green Hills Software, Inc. Green Hills Optimizing Ada Compiler, 1.8.7 (BASE #940223W1.11338)	SPARCstation 10 (under SunOS, Release 4.1.3)	Force CPU-40 (68040) (bare machine using VxWorks, 5.1)
Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11115)	Encore 91 Series Model 91-0340 (under UMAX 3.0)	Encore 91 Series Model 91-0430 (under uMPX 1.0)	Green Valley Software C_Ada, Version 1.1 (#930927S1.11328)	ZENY 386 (under UNIX System V/386, Release 3.2)	Same as Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0)	Encore 91 Series, all models (under microMPX 1.0)	GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11180)	MIPS M/120 RISComputer (under UMIPS 4.51)	Same as Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0)	Encore 91 Series, all models (under microMPX 1.0 & microARTE 1.0)	GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11182)	IBM RISC System 6000/520 (under ADX Version 3)	Same as Host
			GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11184)	HP 9000 Series 400 Model 400T (under HP-UX 7.03)	Same as Host
			GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11186)	Concurrent Computer Corporation M6000 Model 6450 (under RTU 5.0C)	Same as Host

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11187)	Concurrent Computer Corporation M8000 Model 8500 (under RTU 5.1A)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada version 5.2 (BASE #900918W1.11028)	Harris NH-4400, -4800, & -5800 (under CX/UX 6.2, CX/RT 6.2, & CX/SX 6.2)	Harris NH-4400, NH-4800, & NH-5800 (Harris Ada runtime System & ARMS Runtime System)
GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11188)	Data General AViiON 400 Model 402 (under DG/UX 4.31)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, version 6.2 (BASE #900918W1.11028)	Harris NH-4400, NH-4800, & NH-5800 (under CX/UX 6.2 & CX/RT 6.2)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11190)	HP 9000 Series 700 Model 720 (under HP-UX 8.01)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, version 7.1 (BASE #900918W1.11028)	Harris NH-4400, NH-4800, & NH-5800 (under CX/UX 7.1 & CX/RT 7.1)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
*Validated by Registration Harris Corporation Harris Ada Compiler, version 6.2 (BASE #900918W1.11028)	Harris NH-4400, NH-4800, & NH-5800 (under CX/UX 6.1, CX/RT 6.1, CX/SX 6.1, & CX/SX 6.2)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)	Harris Corporation, Computer Systems Division Harris Ada 5.1 (#900918W1.11028)	Harris NH-3800 (under CX/UX 5.1)	Same as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (BASE #900918W1.11028)	Harris NH-4400 (under CX/UX 5.1)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400 & NH-3800 (under CX/UX 5.1, CX/RT 5.1, OR CX/SX 5.1)	Any Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, Version 5.1 (BASE #900918W1.11028)	Harris NH-4400 (under CX/UX 5.2, CX/RT 5.2 & CX/SX 5.2)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, Version 5.1 (BASE #900918W1.11029)	NH-1200, NH-3400 & NH-3800 (under CX/UX 5.2, CX/RT 5.2 & CX/SX 5.2)	Same as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11028)	Harris NH-4400 & NH-4800 (under CX/UX 5.3, CX/RT 5.3 & CX/SX 5.3)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400 & NH-3800 (under CX/UX 5.3, CX/RT 5.3 & CX/SX 5.3)	Any Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler 5.1.1 (BASE #900918W1.11028)	NH-4400 & NH-4800 (under CX/UX 6.1, CX/RT 6.1, & CX/SX 6.1)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler 5.1.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400, & NH-3800 (under CX/UX 6.1, CX/RT 6.1, & CX/SX 6.1)	Any Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler 5.1.1 (BASE #900918W1.11028)	NH-4400, NH-4800, & NH-5800 (under CX/UX 6.2, CX/RT 6.2, & CX/SX 6.2)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)	Hewlett-Packard Co./Apollo Systems Division Domain Ada V6.0m (#910411W1.11137)	DN4500 (under Domain/OS SR10.3)	Same as Host

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Hewlett-Packard Co./Apollo Systems Division Domain Ada V6.0p (#910411W1.11138)	DN10000 (under Domain/OS SR10.3.p)	Same as Host	*Validated by Registration Intermetrics Intermetrics MVS Ada Compiler, Version 8.1 (BASE #910622W1.11170)	Amdahl 5890/180E (under MVS/XA Release 2.2)	Same as Host
Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35 (#901022W1.11049)	HP 9000 Series 300 Model 370 (under HP-UX, Version A.07.00)	Same as Host	Intermetrics Inc. RISCAE TRW RH32-targeted Ada Compiler, 1.0 (#930901W1.11321)	VAXstation 4000 (under VMS 5.5)	RISCAE TRW RH32 Simulator (bare machine simulation, executing on the Host)
*Validated by Registration Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35 (BASE #901022W1.11049)	HP 9000 Series 300 & 400, all models (under HP-UX, Version A.B7.03)	Any Host	Intermetrics Inc. RISCAE Honeywell RH32-targeted Ada Compiler, 1.0 (#930901W1.11322)	VAXstation 4000 (under VMS 5.5)	RISCAE Honeywell RH32 Simulator (bare machine simulation, executing on the Host)
*Validated by Registration Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35t (BASE #901022W1.11049)	HP 9000 Series 300 & 400, all Models (under HP-UX, Versions A.B7.00 (release 7.0), A.B7.03 (release 7.3), A.B7.05 (release 7.5) & A.B8.00 (release 8.0), as supported)	Any Host from the same Series, under the same OS version	Intermetrics, Inc. UTS Ada Compiler, Version 302.03 (#910425W1.11141)	IBM 3083 (under UTS 580 Release 1.2.3)	Same as Host
IBM Canada, Ltd. ADX Ada/6000 Release 2, Preliminary Version (#901127W1.11085)	RISC System/6000 model 7013-530 (under ADX 3.1)	Same as Host	Intermetrics, Inc. Intermetrics MVS Ada Compiler, Version 7.0 (#910622W1.11170)	Amdahl 5890/180E (under MVS/XA Release 2.2)	Same as Host
*Validated by Registration IBM Canada, Ltd. ADX Ada/6000 Release 2.0 (BASE #901127W1.11085)	RISC System/6000 models 7013-320, -520, -530, -540, -550, -730 & -930 (under ADX 3.1)	Any Host	International Business Machines Corporation IBM Ada/370, Version 1.1.0 (#901128W1.11091)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host
*Validated by Registration IBM Canada, Ltd. ADX Ada/6000 Release 2.2 (BASE #901127W1.11085)	RISC System/6000 models 7013-320, -520, -530, -540, -550, -730, & -930 (under ADX 3.1 & 3.2)	Any Host, running same ADX version as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/ESA Release 1.0 ESA Feature)	Same as Host
*Validated by Registration IBM Canada, Ltd. ADX Ada/6000 Release 3.0 (BASE #920121W1.11234)	RISC System/6000 models 7013-320, -520, -530, -540, -550, -730, & -930 (under ADX 3.1 & 3.2)	Any Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3084 (under VM/ESA Release 1.0 370 Feature)	Same as Host
IBM Canada, Ltd. ADX Ada/6000 Internal Development Version (#920121W1.11234)	RISC System/6000 model 7012-320 (under ADX 3.2)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/XA Release 2.1)	Same as Host
*Validated by Registration IBM Canada, Ltd. ADX Ada/6000 Release 3.0 (BASE #920121W1.11234)	RISC System/6000, all models (under ADX 3.2)	Any Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/SP Release 6.0 HPO 60)	Same as Host
IBM Canada, Ltd. XL Ada/6000 Internal Development Version (#921119W1.11299)	RISC System/6000, model 7013-520 (under ADX 3.2)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/SP Release 6.0 HPO 60)	Same as Host
Intel Corporation iPSC/860 Ada Release 6.1.0(E) Unix System V/860 Release 4 Version 3, 312425-0001 (#920513W1.11255)	Intel i860 Station (under Unix System V/860, Version 4)	Intel iPSC/860 (under Ada-NX, Release 3.3.1)	International Business Machines Corporation IBM Ada/370, Version 1.1.0 (#901128W1.11092)	IBM 4381 (under MVS/XA Release 3.8)	Same as Host

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11092)	IBM 3090 (under MVS/ESA Release 4.1)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, VM/CMS Ada Compiler, Version 1.4.0 (BASE #910612W1.11168)	IBM 3084 (under VM/ESA 1.1.0(370Feature)); IBM 3090 (under VM/ESA 1.1.0(ESAFeature), VM/ESA 1.1.1, VM/XA 2.1, & VM/SP HPO 5.0 & 6.0)	IBM 937x, 43xx, 308x 8090, & ES/9000 processors (under same OS as Host)
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (optimized) (#910612W1.11166)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host	International Business Machines Corporation IBM Ada/370, Version 1.2.0 (unoptimized) (#910612W1.11169)	IBM 4381 (under MVS/ESA Release 3.1)	Same as Host
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (optimized) (#910612W1.11167)	IBM 4381 (under MVS/ESA Release 3.1)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 & 1.3.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/SP XA 2.2)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under MVS/SP XA 2.2)
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (unoptimized) (#910612W1.11168)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA Release 4.1.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (MVS/ESA Release 4.1.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/SP HPO 6.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/SP HPO 6.0)	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA Release 4.2.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (MVS/ESA Release 4.2.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/XA 2.1)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/XA 2.1)	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.3.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA 4.1.0 & 4.2.0)	IBM 937x, 43xx, 308x, 3090, & ES/9000 computers (under same OS as Host)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3084 (under VM/ESA 1.1.0 (370 Feature))	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.0 (370 Feature))	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.3.0 (BASE #910612W1.11169)	IBM 4381 (under MVS/ESA 3.1.0)	IBM 937x, 43xx, 308x, 3090, & ES/9000 computers (under same OS as Host)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/ESA 1.1.0 (ESA Feature))	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.0 (ESA Feature))	*Validated by Registration International Business Machines Corporation IBM Ada/370 MVS Compiler, Version 1.4.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA 3.1.0, 4.1.0, & 4.2.0, & MVS/SP XA 2.2)	IBM 937x, 43xx, 308x 8090, & ES/9000 processors (under same OS as Host)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/ESA 1.1.1)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.1)	International Computers Limited VME Ada Compiler VA3.00 (#911003N1.11222)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV291)	Same as Host

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
International Computers Limited VME Ada Compiler VA3.10 (#921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	HP 9000 Series 700, all models (under HP-UX Version 8.0, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11145)	HP 9000 Model 720 (under HP-UX Release 8.01)	Same as Host			
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 700/800, Version 7.4 (BASE #910510W1.11145)	HP 9000 Series 700 & 800, all Models (under HP-UX Version A.B8.05 (release 8.05))	Any Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	Sun Microsystems Sun-3 computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 700/8007.4 (BASE #910510W1.11145)	HP 9000 Series 700 & 800, all models (under HP-UX Versions 8.0 & 9.0, all releases; and HP-UX BLS Version 8.0, all releases)	Same as Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11146)	Sun 3/50 (under SunOS V4.0)	Same as Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960XA, Version 7.5 (BASE #910510W1.11148)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAXi; and VAX 4000, 6000, 7000, 8000, 9000, & 10000 series of computers (under VMS 5.4)	Intel i960XA with or without ICE960 on an Intel EXV80960XA board; any single-board computer that uses the i960XA chip; Intel i960XA simulator (executing on the Host) (bare machine)
*Validated by Registration Irvine Compiler Corporation ICC Ada for Sun3, Version 7.4 (BASE #910510W1.11146)	Sun Microsystems Sun-3 computer family (under SunOS 4.0 & 4.1)	Any Host	Irvine Compiler Corporation ICC Ada v7.4.0 (#92052011.11260)	VAXstation 3100 Model M38 (under VMS Version 5.3-1)	Intel i960MX in Hughes DMV running in tagged mode (bare machine, using CHKSYS kernel version 104)
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11147)	HP 9000 Model 400 (under HP-UX Release 7.03)	Same as Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MX and i960MM, Version 7.4 (BASE #92052011.11260)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 Series of computers (under VMS 5.4)	Intel i960MM & i960MX on a TRONIX P1960MX-DXV JIAWG Execution Vehicle board; any single-board computer that uses the i960MM/MX superscalar chip; Intel i960 simulator (executing on the Host) (bare machine)
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 300/400, Version 7.4 (BASE #910510W1.11147)	HP 9000 Series 300 & 400, all Models (under HP-UX Version A.B8.05 (release 8.05))	Any Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	HP 9000 Series 300 & 400, all models (under HP-UX Version 8.0, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX P1960MX-DXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11148)	VAXstation 3100 Model M38 (under VMS 5.3-1)	Intel i80960MC (bare machine)	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	HP 9000 Series 700, all models (under HP-UX Version 8.0, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX P1960MX-DXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC, Version 7.4 (BASE #910510W1.11148)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 series of computers (under VMS 5.4)	Intel i960MC with or without ICE960 on an Intel EXV80960MC board; any single-board computer that uses the i960 chip; Intel i960 simulator (executing on the Host) (bare machine)			
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	HP 9000 Series 300 & 400, all models (under HP-UX Version 8.0, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	Sun Microsystems Sun-3 computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX P1960MX-DXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX P1960MX-DX/JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip and Intel i860 simulator, executing on the Host (bare machines)	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11035)	IBM PS/2 Model 30 (with Floating-Point Co-Processor) (under IBM PC-DOS 3.30)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11031)	Sun-3/260 (under SunOS, Version 4.1)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11035)	Any Computer System comprising: cpu: any that executes the Intel 8086 instruction set; fpu: Intel 8087 or equivalent, as appropriate; memory: 640 KByte RAM minimum; disk: 20 MByte hard drive; OS: IBM PC-DOS 3.30	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11032)	Sun-4/110 (under SunOS, Version 4.1)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11035)	Any Computer System Comprising: Cpu: any that executes the Intel 8086 instruction set; Fpu: Intel 8087 or equivalent, as appropriate; Memory: 640 or greater KByte RAM; Disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11032)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS Versions 4.1 & 4.1.1)	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11035)	Any Computer System Comprising: cpu: any that executes the Intel 8086 instruction set; fpu: Intel 8087 or equivalent, as appropriate; memory: 640 KByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11033)	DECstation 3100 (under Ulrix, Version 3.0)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11036)	ITT XTRA/286 (with Floating-Point Co-Processor) (under MS-DOS 3.20/OS286)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11033)	DECstation 2100, 3100 & 5000 (under Ulrix 3.0)	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11036)	Any Computer System comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 1.5 MByte RAM minimum; disk: 20 MByte hard drive; OS: MS-DOS 3.20/OS286	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11034)	IBM PS/2 Model 60 (with Floating-Point Co-Processor) (under IBM PC-DOS 3.30)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11034)	Any Computer System Comprising: Cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; Fpu: Intel 80287, 80387, or equivalent, as appropriate; Memory: 640 or greater KByte RAM; Disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11034)	Any Computer System comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 640 KByte RAM minimum; disk: 20 MByte hard drive, OS: IBM PC-DOS 3.30	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11036)	Any Computer System Comprising: Cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; Fpu: Intel 80287, 80387, or equivalent, as appropriate; Memory: 1.5 or greater MByte RAM; Disk: 20 MByte hard drive (under MS-DOS 3.30/OS286)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11034)	Any Computer System Comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 640 KByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11036)	Any Computer System Comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 1.5 MByte RAM; disk: 20 MByte hard drive (under MS-DOS 3.20/OS286)	Any Host

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11037)	80 Data 386/25 (under 386/ix 1.0.6)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11219)	NeXTstation (under System Release 2.0)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11037)	Any Computer System comprising: cpu: any that executes the Intel 80386 or 80486 instruction set, fpu: optional Intel 80387 or equivalent, for 80386 cpu, memory: 2 MByte RAM minimum, disk: 40 MByte hard drive, OS: SCO Unix 3.2 or Interactive 386/ix 1.0.6	Any Host machine running the same OS	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860 VM (under MC/OS, Version 2.0)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11037)	Sequent Symmetry 2000/40, /200, /400 & /700 (under DYNIX/ptx V1.2.0)	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MCB60VB & MCB60VM (under MC/OS, Version 2.0)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11037)	Any Computer System Comprising: Cpu: any that executes the Intel 80386 or 80486 instruction set; Fpu: Intel 80387 or equivalent, for 80386 cpu; Memory: 2 or greater MByte RAM; Disk: 40 MByte hard drive (under SCO Unix 3.2 or INTERACTIVE UNIX System V/386 Release 3.2)	Any Host with the same OS	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860VS (under MC/OS, Version 2.0)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11038)	Apple Macintosh II (under System 6.0.3)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11221)	Sun-4/110 (under SunOS, Version 4.1)	Mercury MC860 VM (under MC/OS, Version 2.0)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11038)	Apple Macintosh SE 30 (under System 6.0.3)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11221)	Sun Microsystems Sun-4/110, /150, /260 & /280; SPARCserver 330, 370, 390, 470 & 490; and SPARCstation 2, IPC & IPX (under SunOS Versions 4.1 & 4.1.1) and SPARCengine 1E (under SunOS Version 4.1e)	Mercury MCB60VB & MCB60VM (under MC/OS, Version 2.0) and Mercury MCB60VS (under MC/OS, Version 2.0)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11060)	Apple Macintosh II (under A/UX 2.0)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911216W1.11232)	Sequoia Series 400 (under Topix, Version 6.5)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11061)	Stardent Titan P3 (under Stardent/Unix 3.0)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11266)	Intergraph Interpro 2400 (under CLX System 5, Release 3.1)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11062)	MicroVAX 3100 (under Ultrix 3.1)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (BASE #920915W1.11266)	InterGraph InterPro Series C300- & C400-based models (under CLX System 5 Release 3.1)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11063)	MicroVAX II (under VMS 5.2)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11267)	Essence 836 (under DOS 5.0, running Microsoft Windows 3.0)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (#911002W1.11218)	IBM PS/2 Model 80 (with Floating Point Co-Processor) (under IBM PC-DOS 3.30/OS386)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11268)	BBN TC2000 (under nX 3.0.1)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #911002W1.11218)	Any Computer System Comprising: cpu: any that executes the Intel 80386 or 80486 instruction set; fpu: Intel 80387 or equivalent, as appropriate; memory: 1.5 MByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30/OS386)	Any Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11269)	BBN TC2000 (under nX 3.0.1)	BBN TC2000 (under pSOS+/B8k)
			Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#921202W1.11301)	HP 9000/827 (under HP-UX 8.02)	Same as Host

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#930401W1.11313)	Motorola VME 167-68040 (under OS/9 68K, v2.4)	Same as Host	*Validated by Registration NEC Corporation NEC Ada Compiler System, Version R4.1 (4.6.4) (BASE #910918S1.11216)	UP4800 Series models 520, 605, 620, 625, 630, & 635 (under UP-UX/V R4.1) EWS4800 Superstation RISC Series (all EWS RISC models, only) (under EWS-UX/V(R4.0) R6.2 & EWS-UX/V(R4.2) R7.1, as supported)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#930401W1.11314)	Essence 486 (under MS-DOS 5.0)	ADSP-21020 (bare machine)	NEC Corporation NEC Ada Compiler System for EWS-UX/V to V70/RX-UX832, Version 1.0 (#910918S1.11217)	NEC EWS4800/60 (under EWS-UX/V R8.1)	NEC MV4000 (under RX-UX832 V1.6)
MIPS Computer Systems MIPS ASAPP 3.0 (#900619W1.11010)	MIPS M/2000 (under RISC/os 4.50)	R3200-6 CPU board (bare machine)	*Validated by Registration NEC Corporation NEC Ada Compiler System for EWS-UX/V (Rel 4.0) to V70/RX-UX832, Version 1.0 (BASE #910918S1.11217)	All RISC (MIPS R3000- & R4000-based) models of the EWS4800 series (under EWS-UX/V (4.0) R2.1)	NEC MV4000 (under RX-UX832 V1.6)
MIPS Computer Systems MIPS Ada 3.0 (#900619W1.11011)	MIPS M/2000 (under RISC/os 4.50)	Same as Host	*Validated by Registration NEC Corporation NEC Ada Compiler System for EWS-UX/V (Rel 4.0) to V70/RX-UX832 version R4.1 (V4.6.4) (BASE #910918S1.11217)	EWS4800 Superstation RISC Series (under EWS-UX/V(R4.0) R6.2)	NEC MV4000 (under RX-UX832 V1.63)
*Validated by Registration Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada v1.1 for Sun SPARCStation (BASE #930722W1.11318)	Sun Microsystems SPARCstation series (under SunOS 4.1.1, 4.1.2, & 4.1.3)	Any Host	North China Institute of Computing Technology C_Ada, Version 1.0 (#910902N1.11198)	MicroVAX II (under ULTRIX 3.0)	Same as Host
*Validated by Registration Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada v1.1 for Sun SPARCStation (BASE #930722W1.11319)	Sun Microsystems SPARCstation series (under SunOS 4.1.1, 4.1.2, & 4.1.3)	Any MC68020-, MC68030-, & MC68040-based single-board computer (bare machines, using Unison 3.1)	Proprietary Software Systems, Inc. PSS VAX/ZR34325 Compiler Version XB-01.000 (#920423I1.11250)	VAX 8350 (under VMS Version 5.4)	PSS Zoran ZR34325 Digital Signal Processor AdaRAID Version XK-01.000 (bare machine simulation, executing on the Host)
Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada for the Sun SPARCStation, 1.1 (#930722W1.11318)	Sun SPARCstation 10 (under SunOS 4.1.3)	Same as Host	R.R. Software, Inc. Janus/Ada 2.2.0 Phar Lap/DOS (#901120W1.11088)	IBM PS/2 Model 80 (under Phar Lap/DOS 3.3)	IBM PS/2 Model 80 (under MS DOS 3.3)
Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada MC680x0, Version 1.1 (#930722W1.11319)	Sun SPARCstation 10 (under SunOS 4.1.3)	Motorola MVME147 (bare machine)	*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.0 Phar Lap/DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under Phar Lap/DOS 3.3)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under MS DOS 3.3)
Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada i860, Version 1.1 (#930722W1.11320)	Sun SPARCstation 2 (under SunOS 4.1.1)	CSPI Supercard II (Intel 80860) with VS8 daughterboard (bare machine)	*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.1 DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes Intel 8086/8088 instructions; fpu: optional; memory: 640 KByte RAM; disk: 20 MByte hard drive (under MS DOS 3.3)	Same as Host
*Validated by Registration Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada v1.1 for i860 (BASE #930722W1.11320)	Sun Microsystems SPARCstation series (under SunOS 4.1.1, 4.1.2, & 4.1.3)	CSPI Supercard 2 with VS8 daughterboard, CSPI Supercard 3 with VS8 daughterboard, CSPI Supercard 3XL with VS8 daughterboard, & CSPI Supercard 4 with VS8 daughterboard (bare machines, using Unison/pSOS+ 3.1)	*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes the Intel 8086/8088 instruction set; fpu: optional; memory: 640 KByte RAM; disk: 20 MByte hard drive (under MS-DOS 3.3)	Any Host
NEC Corporation NEC Ada Compiler System for EWS-UX/V (Release 4.0), Version Release 2.1 (4.6) (#910918S1.11216)	NEC EWS4800/220 (under EWS-UX/V (Release 4.0) R2.1)	Same as Host			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 386 to DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes the Intel 80386 instruction set; fpu: optional; memory: 2 MByte RAM; disk: 40 MByte hard drive (under Phar Lap / MS-DOS 3.3)	Any Host (under MS-DOS 3.3)	*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #910306W1.11130)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.3-1 & 5.4)	CAPS/AAMP2 (bare machine)
R.R. Software, Inc. Janus/Ada 2.2.0 Unix (#901129W1.11089)	Northgate 386/25 (under SCO Unix 3.2)	Same as Host	*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler System, Version 6.3 (BASE #910306W1.11130)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 series of computers (under VMS 5.5-2)	CAPS/AAMP2 & CAPS/AAMP3 (bare machines)
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.0 UNIX (BASE #901129W1.11089)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 60 MByte hard drive (under SCO Unix 3.2)	Same as Host	SD-Scicon UK Ltd XD Ada MC68020, Version 1.2 (#901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS Version 5.3)	Motorola MVME133XT board (MC68020) (bare machine)
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 UNIX (BASE #901129W1.11089)	Any Computer System Comprising: cpu: any that executes the Intel 80386 instruction set; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under SCO Unix 3.2)	Any Host	*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.3)	Motorola MVME135-1 board (MC68020) and Motorola MVME147S-1 board (MC68030) (bare machines)
Rational M68020/OS-2000 Cross-Development Facility, Version 7 (#901116W1.11081)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Phillips PG2100 (OS-2000 Release 2.0)	*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME133XT board (MC68020) (bare machine)
Rational M68020/Unix Cross-Development Facility, Version 7 (#901116W1.11082)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	HP 9000 Model 370MH (under HP-UX Version 7.0)	*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020 MVME135 & MVME147, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME135-1 (MC68020) & MVME147S-1 (MC68030) boards (bare machines)
Rational M68020/Bare Cross-Development Facility, Version 7 (#901116W1.11083)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Motorola MVME135 (68020) (bare machine)	*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020/EFA, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME135-1 board (MC68020) (bare machine)
Rational Rational Environment, D_12_24_0 (#901116W1.11084)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Same as Host	*Validated by Registration SD-Scicon UK Ltd XD Ada CPU32 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.4)	Motorola M68340EVS Evaluation System CPU32 (bare machine)
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#910306W1.11129)	VAX 8650 (under VMS, Version 5.3-1)	CAPS/AAMP1 (bare machine)	*Validated by Registration SD-Scicon UK Ltd XD Ada CPU32/MC68332 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.4)	Motorola M68332EVS Evaluation System CPU32 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #910306W1.11129)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.3-1 & 5.4)	CAPS/AAMP1 (bare machine)	SD-Scicon UK Ltd XD Ada MIL-STD-1750A, Version 1.2 (#901214N1.11080)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.3)	Fairchild F9450 on a SBC-50 board (MIL-STD-1750A) (bare machine)
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#910306W1.11130)	VAXstation 3100 Model 30 (under VMS 5.4)	CAPS/AAMP2 (bare machine)	SD-Scicon UK Ltd XD Ada MC68000, Version 1.2 (#910314N1.11134)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MC68000 on an MVME117-3FP board (bare machine)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68000/EFA, Version 1.2 (BASE #910314N1.11134)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MC68000 on an MVME117-3FP board (bare machine)	*Validated by Registration Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (BASE #920325I1.11249)	Siemens Nixdorf PC (under SINX Version V5.41)	Same as Host
SD-Scicon UK Ltd XD Ada MC68020/ARTX, Version T1.2 (#910911N1.11199)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME1475-1 (MC68030) (bare machine)	Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (#920922I1.11276)	Siemens Nixdorf RM600 (under SINX Version V5.41)	Same as Host
SD-Scicon UK Ltd XD Ada MC68040, Version 1.2 (#911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME165 (MC68040) (bare machine)	*Validated by Registration Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (BASE #920922I1.11276)	Siemens Nixdorf RM400 (under SINX Version V5.41)	Same as Host
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68040/FORCE CPU-40, Version 1.2 (BASE #911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	FORCE CPU-40 (MC68040) (bare machine)	Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11014)	Iris-4D/380 (under IRIX Release 4D-3.3)	Same as Host
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68040, Version 1.2 (BASE #911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	Motorola MVME167 (68040) (bare machine)	Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11015)	Iris-4D/220S (under IRIX Release 4D-3.3)	Same as Host
Siemens Nixdorf Informations- systeme AG SIEMENS NIXDORF BS2000 Ada Compiler V2.1 (#901119I1.11111)	SIEMENS NIXDORF 7.590G (under BS2000 V9.5)	Same as Host	Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11016)	Iris-4D/25 (under IRIX Release 4D-3.3)	Same as Host
*Validated by Registration Siemens Nixdorf Informations- systeme AG SIEMENS NIXDORF BS2000 Ada Compiler V2.1 (BASE #901119I1.11111)	SIEMENS NIXDORF 7.530, 7.536, 7.541, 7.550, 7.551, 7.560, 7.561, 7.570, 7.571, 7.580 & 7.590; 7.500-C30, -C40, -H60, -H90 & -H120 (under BS2000 V9.5 & V10.0)	Same as Host	Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (#910920W1.11203)	SGI Indigo (under Irix V4.0)	Same as Host
Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (#910711W1.11181)	Siemens Nixdorf WX200 (SINX-ODT) (under SINX-ODT V1.0)	Same as Host	*Validated by Registration Siemens Nixdorf, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (BASE #910920W1.11203)	IRIS Indigo, Personal IRIS 4D, IRIS 4D series of computers (under Irix V4.0)	Any Host
*Validated by Registration Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (BASE #910711W1.11181)	Siemens Nixdorf WX200 (SINX-ODT) (under SINX-ODT V1.5)	Same as Host	Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (#910920W1.11204)	SGI 4D/440 (under Irix V3.3)	Same as Host
Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (#920325I1.11249)	Siemens Nixdorf MX300i (under SINX Version V5.41)	Same as Host	SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11183)	SGI Personal Iris W-4D25 (under Irix System V 3.3)	SKYbolt 8116-V (under SKYbolt kernel version 2.33)
*Validated by Registration Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (BASE #920325I1.11249)	Siemens Nixdorf WX200 & MX500i (under SINX Version 5.41)	Each Host, self targeted	SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11185)	SPARCstation 1 (under SunOS release 4.1)	SKYstation 8117-P (under SKYstation kernel version 2.33)
			SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11189)	SGI Personal Iris W-4D25 (under Irix System V 3.3)	Same as Host
			Stratus Computer, Inc. Stratus Ada, Version 6.1 (#921015W1.11294)	Stratus XA/R20 (under FTX 2.0.1)	Same as Host

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.0-4-4-21, Version 1.0 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families; SPARCserver 600MP Series; & 4600MP-64 (under SunOS Version 4.2 releases 4.1 & 4.1.2, as supported)	Any Host	*Validated by Registration Tartan, Inc. Tartan Ada Sun/Sun, Version 4.2 (BASE #90121111.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.1-4-4-21, Version 1.1 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families; SPARCserver 600MP Series; & 4600MP-64 (under SunOS Version 4.2 release 4.1.2)	Any Host	Tartan, Inc. Tartan Ada VMS/960MC, Version 4.0 (#90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.1-4-4-21, Versions 1.0 & 1.1 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1.3)	Any Host	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.1 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXV80960MC board, & Intel ICE960/25 on an Intel EXV80960MC board (bare machines)
Tartan, Inc. Tartan Ada VMS/C30, Version 4.0 (#90121011.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.1 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30, Version 4.1 (BASE #90121011.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.2 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30, Version 4.1.1 (BASE #90121011.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board, NAVY SEM-D Key Code ADSP (bare machines)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC/SVMRT, Version 4.3 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.5)	Cyclone CVME962 board, & Intel EXV80960MC board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30/IPS, Version 4.1.2 (BASE #90121011.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC/PMRT, Version 4.3 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.5)	Cyclone CVME962 board, Intel EXV80960MC board, & PI-960MX-DXV board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C3X Version 4.3 (BASE #90121011.11121)	VAXstation 3100 (under VMS 5.5)	Texas Instruments TMS320C30 Application Board, & Atlanta Signal Processors Eff TMS320C31 board (bare machines)	Tartan, Inc. Tartan Ada Sun/C30 Version 4.0 (#90121211.11123)	Sun 3/50 (under SunOS Version 4.0.3)	Texas Instruments TMS320C30 Application Board (bare machine)
Tartan, Inc. Tartan Ada Sun/960MC, Version 4.0 (#90121011.11122)	Sun 3/60 (under SunOS Version 4.0.3)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada Sun/C30, Version 4.1.1 (BASE #90121211.11123)	Sun 3/50 (under SunOS Version 4.0.3)	Texas Instruments TMS320C30 Application Board (bare machine)
Tartan, Inc. Tartan Ada Sun/Sun, Version 4.0 (#90121111.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host	Tartan, Inc. Tartan Ada VMS/1750A, Version 4.0 (#90121311.11119)	VAXstation 3200 (under VMS 5.2)	Texas Instruments STL VHSIC 1750A (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada Sun/Sun, Version 4.1 (BASE #90121111.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/1750A, Version 4.1 (BASE #90121311.11119)	VAXstation 3200 (under VMS 5.2)	Texas Instruments STL VHSIC 1750A (bare machine)	Tartan, Inc. Tartan Ada SPARC 960mc, Version 4.2 (#92031311.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/1750A, Version 4.3 (BASE #90121311.11119)	VAXstation 3100 (under VMS 5.5)	Texas Instruments STL VHSIC 1750A, & Fairchild F9450 on an SBC-50 (MIL-STD-1750A) (bare machines)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC 960mc, Version 4.2.2 (BASE #92031311.11247)	SPARCstation ELC (under SunOS Version 4.1.1)	Intel EXV80960MC board (bare machine)
Tartan, Inc. Tartan Ada VMS/680XD, Version 4.1 (#91061311.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020) (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada RS6000/960mc, Version 4.2.2 (BASE #92031311.11247)	IBM RISC System/6000 Model 320H (under AIX Version 3.2)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/680XD, Version 4.1.1 (BASE #91061311.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020), MVME143 (MC68030), & MVME165 (MC68040) (bare machines)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC/960MC/SVMRT , Version 4.3 (BASE #92031311.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Cyclone CVME962 board, & Intel EXV80960MC board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/680XD/IPS, Version 4.1.2 (BASE #91061311.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020) (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC/960MC/PMRT, Version 4.3 (BASE #92031311.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Cyclone CVME962 board, Intel EXV80960MC board, & PI-960MX-DXV board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/680XX Version 4.3 (BASE #91061311.11171)	VAXstation 3100 (under VMS 5.5)	Motorola MVME134 (68020), MVME143 (68030), MVME165 (68040), MC68332 (CPU32), & MC68340 (CPU32) (bare machines)	Tartan, Inc. Tartan Ada VMS/C40 v4.2.1 (#92103011.11296)	VAXstation 4000 Model 60 (under VMS 5.5)	Texas Instruments TMS320C40 Parallel Processing Development System (bare machine)
Tartan, Inc. Tartan Ada SPARC C30, Version 4.2 (#92031311.11244)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C30 Application Board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC/C40, Version 4.3 (BASE #92103011.11296)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C40 Parallel Development System (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC C3X, Version 4.3 (BASE #92031311.11244)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C30 Application Board, & Atlanta Signal Processors Elf TMS320C31 board (bare machines)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/C40, Version 4.3 (BASE #92103011.11296)	VAXstation 3100 (under VMS 5.5)	Texas Instruments TMS320C40 Parallel Development System (bare machine)
Tartan, Inc. Tartan Ada SPARC 1750a, Version 4.2 (#92031311.11245)	SPARCstation ELC (under SunOS version 4.1.1)	Fairchild F9450 on an SBC-50 board (MIL-STD-1750A) (bare machine)	TeleSoft TeleGen2 Sun-3 Ada Development System, Version 4.01 (#90052511.11012)	Sun-3/280 (under Sun UNIX 4.2, Release 4.0.3)	Same as Host
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/1750A, Version 4.3 (BASE #92031311.11245)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments STL VHSIC 1750A, & Fairchild F9450 on an SBC-50 (MIL-STD-1750A) (bare machines)	TeleSoft TeleGen2 Ada Host Development System, Version 4.1, for SPARCSystems (#901128W1.11090)	Sun-4/280 (under Sun UNIX 4.2, Release 4.1)	Same as Host
Tartan, Inc. Tartan Ada SPARC 680XD, Version 4.2 (#92031311.11246)	SPARCstation ELC (under SunOS version 4.1.1)	Motorola MVME134 (MC68020) (bare machine)			
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/680XX Version 4.3 (BASE #92031311.11246)	SPARCstation ELC (under SunOS version 4.1.1)	Motorola MVME134 (68020), MVME143 (68030), MVME165 (68040), MC68332 (CPU32), & MC68340 (CPU32) (bare machines)			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration TeleSoft TeleGen2Ada Host Development System for SPARCSystems, Version 4.1 (BASE #901128W1.11090)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.2, release 4.1)	Any Host	*Validated by Registration TeleSoft TeleGen2Ada Cross Development System, Version 3.1 (BASE #910325I1.11139)	VAX 4000-300 (under VMS 5.4-3)	Intel iSBC 486/133SEboard (bare machine, using TeleAda-EXEC 1.0)
*Validated by Registration TeleSoft TeleGen2Ada Host Development System for SPARCSystems, Version 4.1 (BASE #901128W1.11090)	Solbourne Series 5 & 5E; and S4000 (under OS/MP 4.1)	Any Host	TeleSoft TeleGen2Ada Cross Development System, Version 3.1 for SPARC to 68K (#910325I1.11140)	Sun-4/60 (under SunOS 4.1)	Motorola MVME147 (68030) (bare machine, using TeleAda-EXEC 1.0)
*Validated by Registration TeleSoft TeleGen2Ada Host Development System for SPARCSystems, Version 4.1.1 (BASE #901128W1.11090)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.1)	Any Host	*Validated by Registration TeleSoft TeleGen2Ada Cross Development System for SPARC to 68K, Version 4.1 (BASE #910325I1.11140)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Motorola MVME133*, MVME135*, MVME136* (68020); MVME141* & MVME147* (68030); and MVME165* & MVME167* (68040) board families (bare machines, optionally using TeleAda_Exec2.0)
TeleSoft TeleGen2Ada Cross Development System, Version 4.1, for VAX/VMS to 68K (#910121I1.11124)	MicroVAX 3800 (under VAX/VMS Version 5.2)	Motorola MVME133A-20 (MC68020) (bare machine)	TeleSoft TeleGen2Ada Host Development System, Version 4.1, for MacII Systems (#910721I1.11194)	Apple Macintosh IIcx (under A/UX 2.0)	Same as Host
Validated by Registration TeleSoft TeleGen2Ada Cross Development System for VAX to 68K, Version 4.1 (BASE #910121I1.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4, as supported)	Motorola board series MVME133, MVME135*, MVME136* (MC68020); MVME141* & MVME147* (MC68030); and Force CPU-30, CPU-31, CPU-32 & CPU-37 (bare machines)	*Validated by Registration TeleSoft TeleGen2Ada Host Development System for MacII Systems, Version 4.1 (BASE #910721I1.11194)	Apple Macintosh II family, & SE/30 (under A/UX Release 2.0)	Any Host
Validated by Registration TeleSoft TeleSoft TRIAD System for VAX/VMS to 68K, Version 4.1 (BASE #910121I1.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4, as supported)	Motorola board series MVME147 (MC68030) (bare machines, using TeleAda-Exec)	TeleSoft TeleGen2Ada Development System for VAX to 1750A, Version 3.25 (#911028I1.11229)	MicroVAX 3800 (under VMS Version 5.4)	MIL-STD-1750AECSP0 ITS RAID Simulator, Version 6.0 (bare machine simulation, executing on the Host)
Validated by Registration TeleSoft TeleGen2Ada Cross Development System for VAX/VMS to 68K, Version 4.1 (BASE #910121I1.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4)	Motorola MVME165 & MVME167* (68040) board families (bare machines)	TeleSoft TeleGen2Ada Compilation System for VAX to 80960, Version 4.1 (#911213I1.11235)	MicroVAX 3800 (under VMS Version 5.4)	Intel EXV 960 MC-MIL (i960 XA) (bare machine, using Hughes O.S. Ada RTS interface)
TeleSoft TeleGen2Ada Cross Development System, Version 4.1, for VAX/VMS to MIPS (#910123I1.11125)	MicroVAX 3800 (under VAX/VMS Version 5.2)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)	TeleSoft TeleGen2Ada Cross Development System Version 4.1.1 for SUN-4 to eMIPS (#921029I1.11295)	Sun-4/690 (under SunOS Release 4.1.2)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)
TeleSoft TeleGen2Ada Cross Development System, Version 4.1, for SUN-3 to 68K (#910125I1.11126)	Sun-3/480 (under Sun UNIX, Release 4.1)	Motorola MVME135-1 (MC68020) (bare machine)	TeleSoft TeleGen2(tm)Ada Cross Development System for Sun-4 to i960, Version 4.1.1 (#921218I1.11303)	Sun-4/690 (under SunOS Release 4.1.2)	CVME962 System (i960XA board with MC Processor) (bare machine)
TeleSoft TeleGen2Ada Cross Development System, Version 3.1 for VAX/VMS to 386 (#910325I1.11139)	VAX 6210 (under VMS 5.3)	Intel iSBC 386-120 (80386/387) (bare machine, using TeleAda-EXEC 1.0)	Texas Instruments MIPS-Ada, Version 3.0 (#901030W1.11052)	MIPS M/2000 (under RISC/os 4.02)	TI DP32 R3000 Processor (bare machine, using TI DP32 RTE Version 1.0)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Texas Instruments TI Ada, Version 1.0 (#910403W1.11135)	MicroVAX 3400 (under VMS 5.3-1)	TI DP32 R3000 Processor (bare machine, using TI Executive and Runtime Services (EARS) Version 1.0)	U.S. Air Force AFCAS 1750A Ada Compiler, Version 1.0 (#910425W1.11142)	VAXstation 3100 (under VMS Version 5.3)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-175 0A Ada Compiler System, Version 2.9.0 (#920319W1.11237)	Sun-4/75 (under SunOS, Version 4.1.1)	Rockwell International RI-1750A8 Brassboard Development System (bare machine, using TLDrtx Real Time Executive, Version 1.0.0)	*Validated by Registration U.S. Air Force AFCAS 1750A Ada Compiler, Version 1.1 (BASE #910425W1.11142)	DEC VAXstation 3100 (under VMS Version 5.4)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
TLD Systems, Ltd. TLD MV/MV Ada Compiler System, Version 2.9.0 (#920319W1.11238)	Data General MV/32 20000-2 (under AOS/VS II, Version 2.03)	Same as Host	U.S. Air Force AFCAS 1750A/XMEM Ada Compiler, Version 1.0 (#910425W1.11143)	VAXstation 3100 (under VMS Version 5.3)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-175 0A Ada Compiler System, Version 2.9.0 (#920319W1.11239)	Sun-4/75 (under SunOS, Version 4.1.1)	Honeywell Program Development Unit (PDU) with Honeywell Generic VHSIC Spaceborne Computer (GVSC) MIL-STD-1750A (bare machine, using TLDrtx Real Time Executive, Version 1.0.0)	*Validated by Registration U.S. Air Force AFCAS 1750A/XMEM Ada Compiler, Version 1.1 (BASE #910425W1.11143)	DEC VAXstation 3100 (under VMS Version 5.4)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-175 0A Ada Compiler System, Version 2.9.0 (#920319W1.11240)	Sun-4/75 (under SunOS, Version 4.1.1)	TLD MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)	U.S. NAVY AdaVAX, Version 5.0 (/OPTIMIZE) (#910517S1.11162)	VAX 8600 (under VMS Version 5.3)	Same as Host
TLD Systems, Ltd. TLD RISC6000/MIL-STD- 1750A Ada Compiler System, Version 2.9.0 (#920319W1.11241)	IBM RISC System 6000, Model 530 (under AIX, Version 3.1)	TLDmps MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)	U.S. NAVY AdaVAX, Version 5.0 (/NO_OPTIMIZE) (#910517S1.11163)	VAX 8600 (under VMS Version 5.3)	Same as Host
*Validated by Registration TLD Systems, Ltd. TLD RISC6000/MIL-STD- 1750A Ada Compiler System, Version 2.9.0 (BASE #920319W1.11241)	IBM RISC System 6000 series (under AIX, Version 3.1)	IBM User Console with IBM Generic VHSIC Spaceborne Computer (bare machine, using TLDrtx Real Time Execution, Version 1.0.0)	U.S. NAVY AdaVAX, Version 5.0 (/NO_OPTIMIZE) (#910517S1.11165)	VAX-11/785 (under VMS Version 5.3)	Same as Host
TLD Systems, Ltd. TLD VAX/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11242)	MicroVAX 3500 (under VMS, Version 5.1)	TLD MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)	U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11172)	VAX 8550 (under VMS Version 5.3)	AN/UYYK-43 (single cpu) (bare machine)
*Validated by Registration TLD Systems, Ltd. TLD VAX/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (BASE #920319W1.11242)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.4)	IBM User Console with IBM Generic VHSIC Spaceborne Computer (bare machine, using TLDrtx Real Time Execution, Version 1.0.0)	U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11174)	VAX 8550 (under VMS Version 5.3)	AN/UYYK-43 (EMR) (bare machine)
TLD Systems, Ltd. TLD HP 9000/MIL-STD-1750 A Ada Compiler System, Version 2.9.0 (#920319W1.11243)	HP 9000/350 (under HP-UX, Version 7.0)	TLDmps MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)	U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11176)	VAX-11/785 (under VMS Version 5.3)	AN/UYYK-43 (single cpu) (bare machine)
TLD Systems, Ltd. TLD Comanche VAX/MIL-STD-1750A Ada Compiler System, Version 3.4.C (#931012W1.11329)	VAXstation 4000 Model 60 (under VMS 5.5)	TLD MIL-STD-1750A Multiple Processor Simulator (TLDmps), executing on the Host (bare machine simulation, using TLD Real Time Executive (TLDrtx), 3.4.C)	U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11177)	VAX-11/785 (under VMS Version 5.3)	AN/UYYK-43 (EMR) (bare machine)
			U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11178)	VAX-11/785 (under VMS Version 5.3)	AN/UYYK-44 (EMR) (bare machine)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11179)	VAX-11/785 (under VMS Version 5.3)	AN/AYK-14 (bare machine)	*Validated by Registration Verdix Corporation VADS DEC-RISC, Ulrix 4.0, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.0)	Any Host
U.S. NAVY AdaVAX, Version 5.5 (/OPTIMIZE) (#920918S1.11270)	VAXstation 4000 (under VMS Version 5.5)	Same as Host			
U.S. NAVY AdaVAX, Version 5.5 (/NO_OPTIMIZE) (#920918S1.11271)	VAXstation 4000 (under VMS Version 5.5)	Same as Host	*Validated by Registration Verdix Corporation VADS DEC-RISC, Ulrix 4.1, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.1)	Any Host
U.S. NAVY Ada/M, Version 4.5 (/OPTIMIZE) (#920918S1.11272)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	Enhanced Processor (EP) AN/UYK-44 (bare machine)			
U.S. NAVY Ada/M, Version 4.5 (/OPTIMIZE) (#920918S1.11273)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	VHSIC Processor Module (VPM) AN/AYK-14 (bare machine)	*Validated by Registration Verdix Corporation VADS DEC-RISC, Ulrix 4.2, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under Ulrix 4.2)	Any Host
U.S. NAVY Ada/M, Version 4.5 (/NO_OPTIMIZE) (#920918S1.11274)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	Enhanced Processor (EP) AN/UYK-44 (bare machine)			
U.S. NAVY Ada/M, Version 4.5 (/NO_OPTIMIZE) (#920918S1.11275)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	VHSIC Processor Module (VPM) AN/AYK-14 (bare machine)	*Validated by Registration Verdix Corporation VADS DEC-RISC, VAda-110-6161, Versions 6.0, 6.1, & 6.2 (BASE #900228W1.11001)	Digital Equipment Corp. DECstation & DECsystem series of MIPS-based computers (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Any Host
UNISYS Corporation UCS Ada, Version 1R1 (#910510S1.11161)	UNISYS 2200/600 (under OS1100, Version 43R2)	Same as Host	Verdix Corporation VAda-110-0202, Version 6.0 (#900228W1.11002)	VAXsystem 3100 (under ULTRIX 3.1)	Same as Host
*Validated by Registration UNISYS Corporation UCS Ada, Version 1R1 (BASE #910510S1.11161)	UNISYS 1100/90, 2200/100, /200, /400, /600, & /900 (under OS 1100, Versions 43R2 & 43R3, as supported)	Any Host	*Validated by Registration Verdix Corporation VAda-110-0202, Version 6.0 (BASE #900228W1.11002)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAX 6000, VAX 8000 & VAX 9000 series (under ULTRIX 4.0)	Any Host
*Validated by Registration Verdix VADSworx Sun4 => 68K, VAda-115-40800, Version 2.0 (BASE #920513W1.11256)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	DY 4 Systems SVM-144; Force CPU-40 Series; Motorola MVME162, MVME165, MVME167, & MVME167A; PEP Modular Computer VM40; and Tadpole TP41V (bare machine, using vxWorks 5.0)	*Validated by Registration Verdix Corporation VAda-110-0202, Version 6.0 (BASE #900228W1.11002)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under ULTRIX 4.2)	Any Host
*Validated by Registration Verdix VADSworx Sun4 => SPARC, VAda-115-40850, Version 2.0 (BASE #920513W1.11257)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	Sun SPARCengine 1e (bare machine, using vxWorks 5.0)	Verdix Corporation VADS Sun3 SunOS, VAda-110-1313, Version 6.0 (#900510W1.11003)	Sun 3/280 (under SunOS 4.0)	Same as Host
Verdix Corporation VAda-110-6161, Version 6.0.2 (#900228W1.11001)	DECstation 3100 (under ULTRIX 3.1)	Same as Host	*Validated by Registration Verdix Corporation VADS Sun-3 Sun OS, VAda-110-1313, Version 6.0 (BASE #900510W1.11003)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.0 & 4.1)	Any Host machine (under some OS version)
*Validated by Registration Verdix Corporation VAda-110-6161, Version 6.0.2 (BASE #900228W1.11001)	DECstation 2100, 5000; DECsystem 5400, 5810, 5820, 5830, 5840 (under ULTRIX 3.1)	Any Host	Verdix Corporation VADS IBM PS/2 ADX => Intel 80386, VAda-110-35315, Version 6.0 (#900510W1.11004)	IBM PS/2 Model 80 (under ADX 1.1)	Intel iSBC 386/12 (bare machine)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdex Corporation VADS IBM PS/2 ADX => 68K, VAdA-110-35125, Version 6.0 (#900510W1.11005)	IBM PS/2 Model 80 (under ADX 1.1)	Motorola MVME133A-20 (MC68020)(bare machine)	Verdex Corporation VADS HP 9000/300,HP-UX 7.0, VAdA-110-1515, Version 6.0 (#900726W1.11018)	HP 9000/350(under HP-UX 7.0)	Same as Host 7.0)
Verdex Corporation VADS Sun-4 SunOS, VAdA-110-4040, Version 6.0 (#900510W1.11006)	Sun 4/280 (under SunOS 4.0)	Same as Host	*Validated by Registration Verdex Corporation VADS HP 9000/300, HP-UX 7.0, VAdA-110-1515, Version 6.0 (BASE #900726W1.11018)	HP 9000 Series 300 Models 310, 320, 330, 340, 350, 360 & 370 (under HP-UX 7.0)	Any Host
*Validated by Registration Verdex Corporation VAdA-110-4040, Version 6.0 (BASE #900510W1.11006)	Sun-4/20,/65,/110,/150 & /260; SPARCserver 310, 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 310, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Any Host	Verdex Corporation VADS Prime EXL/320, UNIX System V/386 3.2, VAdA-110-3232, Version 6.0 (#900726W1.11019)	Prime EXL/320 (under UNIX System V/386 3.2)	Same as Host
Verdex Corporation VADS Sun3 SunOS => 68K, VAdA-110-13125, Version 6.0 (#900510W1.11007)	Sun 3/280 (under SunOS 4.0) (bare machine)	Motorola MVME147 (MC68030)	Verdex Corporation VADS VAX/VMS 5.2, VAdA-110-0303, Version 6.0 (#900726W1.11020)	MicroVAX 3100 (under VAX/VMS V5.2)	Same as Host
*Validated by Registration Verdex Corporation VADS Sun3 SunOS => 68K, VAdA-110-13125, Version 6.0 (BASE #900510W1.11007)	Sun-3/50,/60,/80,/150, /160,/260,/280,/470 & /480 (under SunOS 4.0 & 4.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134, MVME135 & MVME136 (MC68020), MVME-110, MVME-165 & MVME-167; Tadpole TP32V & TP33M (bare machines)	*Validated by Registration Verdex Corporation VADS VAX/VMS 5.3, VAdA-110-0303, Version 6.0 (BASE #900726W1.11020)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Any Host
			*Validated by Registration Verdex Corporation VADS VAX/VMS 5.2, VAdA-110-0303, Versions 6.0 & 6.2 (BASE #900726W1.11020)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, and VAX 6000, 8000, & 9000 series of computers (under VMS 5.0, 5.2, & 5.3)	Any Host
Verdex Corporation VADS IBM RISC System/6000,ADX 3.1, VAdA-110-7171,Version 6.0 (#900726W1.11017)	IBM RISC System/6000 Model 530 (under ADX 3.1)	Same as Host	Verdex Corporation VADS VAX/VMS => 68k, VMS 5.2, VAdA-110-03125, Version 6.0 (#900726W1.11021)	MicroVAX 3100 (under VAX/VMS V5.2)	Motorola MVME147 (MC68030) (bare machine)
*Validated by Registration Verdex Corporation VADS IBM RISC System/6000,ADX 3.1, VAdA-110-7171,Version 6.0 (BASE #900726W1.11017)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under ADX 3.1)	Any Host	*Validated by Registration Verdex Corporation VADS VAX/VMS => 68K, VMS 5.2, VAdA-110-03125, Version 6.0 (BASE #900726W1.11021)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.2)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134, MVME135 & MVME136 (MC68020), MVME-165 & MVME167; Tadpole TP32V & TP33M (bare machines)
*Validated by Registration Verdex Corporation VADS IBM RISC System/6000,ADX 3.1, VAdA-110-7171, Version 6.0 (BASE #900726W1.11017)	IBM RISC System/6000 Models 220, 320, 320H, 340, 350, 520, 520H, 530H, 540, 550, 560, 730, 930, & 950 (under ADX 3.2)	Any Host			
*Validated by Registration Verdex Corporation VADS IBM RISC System /6000, VAdA-110-7171, Versions 6.0, 6.1, & 6.2 (BASE #900726W1.11017)	IBM RISC System/6000 series of computers (under ADX 3.1 & 3.2)	Any Host	Verdex Corporation VADS VAX/VMS => Intel 386, VMS 5.2, VAdA-110-03315, Version 6.0 (#900726W1.11022)	MicroVAX 3100 (under VAX/VMS V5.2)	Intel iSBC 386/32 (bare machine)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdex Corporation VADS VAX/VMS => Intel 386, VMS 5.3, VAda-110-03315, Version 6.0 (BASE #900726W1.11022)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Intel i58C 386/32 (bare machine)	*Validated by Registration Verdex Corporation VADS DEC-RISC => 68K, Ultrix 3.1, VAda-110-61125, Versions 6.0, 6.1, 6.2 (BASE #900726W1.11024)	Digital Equipment Corp. DECstation & DECsystem series of MIPS-based computers (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MD-CPU320, & MD-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; and Tadpole TP32V (bare machines)
Verdex Corporation VADS VAX/Ultrix => 68K, Ultrix 3.1, VAda-110-02125, Version 6.0 (#900726W1.11023)	MicroVAX 3100 (under Ultrix 3.1)	Tektronix MV System, MV 68020 Support System, using TekD8 Version 5.0.2 emulation software (bare machine simulation)	Verdex Corporation VADS IBM RISC System/6000 => 68K, AIX 3.1, VAda-110-71125, Version 6.0 (#900726W1.11025)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Motorola MVME147 (MC68030) (bare machine)
*Validated by Registration Verdex Corporation VADS VAX/ULTRIX => 68K, ULTRIX 3.1, VAda-110-02125, Version 6.0 (BASE #900726W1.11023)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under Ultrix 3.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator S8C; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines); Tektronix MV System, MV 68020 Support System using TekD8 Version 5.0.2 emulation software (bare machine simulation)	*Validated by Registration Verdex Corporation VADS IBM RISC System/6000 => 68K, AIX 3.1, VAda-110-71125, Version 6.0 (BASE #900726W1.11025)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under AIX 3.1)	Cyclone CVME 44, CVME 46 & CVME48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator S8C; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME133 Series, MVME134, MVME135 & MVME147 Series; and Tadpole TP32V & TP33M (bare machines)
*Validated by Registration Verdex Corporation VADS VAX/ULTRIX => 68K, ULTRIX 3.1, VAda-110-02125, Version 6.0 (BASE #900726W1.11023)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under Ultrix 4.0, 4.1, & 4.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; Tadpole TP32V; and Tektronix MV System, MV 68020 Support System using TekD8 Version 5.0.2 emulation software (bare machine simulation) (bare machines)	*Validated by Registration Verdex Corporation VADS VAX/VMS => 68K, VAda-110-03125, Versions 6.0 & 6.2 (BASE #900726W1.11025)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, VAX 9000 Series of computers (under VMS 5.0, 5.2, & 5.3)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; and Tadpole TP32V (bare machine)
Verdex Corporation VADS DEC-RISC => 68K, Ultrix 3.1, VAda-110-61125, Version 6.0 (#900726W1.11024)	DECstation 3100 (under Ultrix 3.1)	Motorola MVME147 (MC68030) (bare machine)	*Validated by Registration Verdex Corporation VADS IBM RISC System/6000 => 68K, VAda-110-71125, Versions 6.0, 6.1, & 6.2 (BASE #900726W1.11025)	IBM RISC System/6000 series of computers (under AIX 3.1 & 3.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series HK68/V30 Series, & HK68/V3E Series Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; and Tadpole TP32V (bare machine)
*Validated by Registration Verdex Corporation VADS DEC-RISC => 68K, Ultrix 4.0, VAda-110-61125, Version 6.0 (BASE #900726W1.11024)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.0)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator S8C; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134, MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines)	Verdex Corporation VADS IBM RISC System/6000 => 386, AIX 3.1, VAda-110-71315, Version 6.0 (#900726W1.11026)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Intel i58C 386/116 (bare machine)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdex Corporation VADS IBM RISC System/6000 => 386, ADX 3.1, VAdA-110-71315, Version 6.0 (BASE #900726W1.11026)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under ADX 3.1)	Intel iSBC 386/116 (bare machine)	*Validated by Registration Verdex Corporation VADS UNIX System V/386/486, VAdA-110-3232, Versions 6.0, 6.1, & 6.2 (BASE #901129W1.11095)	Any computer that executes the Intel 80386 or 80486 instruction set (under NCR UNIX System V Release 4.0, UNIX System V/486 Release 4.0, 486 Sunsoft Interactive UNIX Release 4.0, 486 Interactive UNIX Release 3.01R3.2)	Same as Host
*Validated by Registration Verdex Corporation VADS IBM RISC System/6000 => 386, ADX 3.1, VAdA-110-71315, Version 6.0 (BASE #900726W1.11026)	IBM RISC System/6000 Models 220, 320, 320H, 340, 350, 520, 520H, 530H, 540, 550, 560, 730, 930, & 950 (under ADX 3.2)	Intel iSBC 486/125 (bare machine)	Verdex Corporation VADS Sequent Balance DYNIX V3.0, VAdA-110-2323, Version 6.0 (#901129W1.11096)	Sequent Balance 8000 (under DYNIX Version 3.0)	Same as Host
*Validated by Registration Verdex Corporation VADS Sun4 => 68K, SunOS 4.0, VAdA-110-40125, Version 6.0 & 6.2 (BASE #900726W1.11097)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MD-CPU320, MD-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; SBE VCOM-24; and Tadpole TP32V	Verdex Corporation VADS Sun4 => 68K, Sun OS 4.0, VAdA-110-40125, Version 6.0 (#901129W1.11097)	Sun-4/260 (under SunOS 4.0) (bare machine)	Motorola MVME147 (68030)
Verdex Corporation VADS VAX/VMS 5.2 => Intel 80386/WEITEK 3167, VAdA-110-03315, Version 6.0 (#901129W1.11094)	MicroVAX 3100 (under VMS Version 5.2)	Intel iSBC 386/116 using a WEITEK 3167 fpu (bare machine)	*Validated by Registration Verdex Corporation VADS Sun4 => 68K, Sun OS 4.0, VAdA-110-40125, Version 6.0 (BASE #901129W1.11097)	Sun-4/20, /65, /110 & /150; SPARCserver 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120, MZ8130; Sun Microsystems 3E Board Set; Motorola MVME110 (MC68000), MVME133 Series, MVME134, MVME135, MVME136 (MC68020), MVME147 Series & MVME141 (MC68030), MVME-165, MVME-167 (MC68040); Tadpole TP32V, TP33M (bare machines)
*Validated by Registration Verdex Corporation VADS VAX/VMS 5.3 => Intel 80386/WEITEK3167, VAdA-110-03315, Version 6.0 (BASE #901129W1.11094)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Intel iSBC 386/116 using a WEITEK 3167 fpu (bare machine)	*Validated by Registration Verdex Corporation VADS Sun4 => 68K, Sun OS 4.1, VAdA-110-40125, Version 6.0 (BASE #901129W1.11097)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Cyclone CVME 44, 46, & 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37, & Golden Triangle Firepower; Heurikon HK68/V2E Series, /V2F Series, & /V30 Series; Integrated Solutions VME68K20, 68K30, 68225, & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120, MZ8130, & CPU330; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Sun Microsystems 3E board set; and Tadpole Technology TP32V & TP33M (bare machines)
Verdex Corporation VADS UNIX System V/386, Rel. 4, VAdA-110-3232, Version 6.0 (#901129W1.11095)	Intel 302 System (under UNIX System V/386, Release 4)	Same as Host	Verdex Corporation VADS Sun-4 => Sun-3, Sun OS 4.0, VAdA-110-4013, Version 6.0 (#901129W1.11098)	Sun-4/260 (under SunOS 4.0)	Sun-3/260 (under SunOS 4.0)
*Validated by Registration Verdex Corporation VADS UNIX System V/486, Rel. 4, VAdA-110-3232, Version 6.0 (BASE #901129W1.11095)	NCR 3000, 3320, 3335, 3345, 3445, 3447, 3450, & 3550 (under UNIX System V/486, Release 4)	Any Host	*Validated by Registration Verdex Corporation VADS Sun-4 => Sun-3, Sun OS 4.0, VAdA-110-4013, Version 6.0 (BASE #901129W1.11098)	Sun-4/20, /65, /110, /150, /260 & /280; SPARCserver 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.1)
*Validated by Registration Verdex Corporation VADS UNIX System V/486, Rel.4, VAdA-110-3232, Version 6.0 (BASE #901129W1.11095)	NCR 3000, 3320, 3335, 3345, 3445, 3447, 3450, & 3550 (under NCR UNIX System V, Release 4.0); AST Premium 486/33 (under UNIX System V/486, Release 4.0)	Any Host	Verdex Corporation VADS AT&T 382/600G UNIX System V, Release 3.2.2, VAdA-110-5151, Version 6.0 (#901129W1.11099)	AT&T 382/600G (under UNIX System V, Release 3.2.2)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdex Corporation VADS HP-9000/300 => 68K, HP-UX 7.0, VAda-110-15125, Version 6.0 (#901129W1.11100)	HP 9000 Model 350 (under HP-UX 7.0)	Motorola MVME133A (68020) (bare machine)	*Validated by Registration Verdex Corporation VADS BCS/88K, AViON DGUX 4.3, VAda-110-8080, Versions 6.1 & 6.2 (BASE #901129W1.11101)	Data General AViON computer series (under DG/UX 4.3 & 5.4)	Any Host
*Validated by Registration Verdex Corporation VADS HP-9000/300 => 68K, HP-UX 7.0, VAda-110-15125, Version 6.0 (BASE #901129W1.11100)	HP 9000 Series 300 Models 310, 320, 330, 340, 350, 360 & 370 (under HP-UX 7.0)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines)	Verdex Corporation VADS Sun4 => SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 (#901129W1.11102)	Sun-4/490 (under SunOS 4.1)	SPARCengine 1E (bare machine)
*Validated by Registration Verdex Corporation VADS HP-9000/300 => 68K, VAda-110-15125, Version 6.0 (BASE #901129W1.11100)	Hewlett-Packard HP 9000 Series 300 (under HP-UX 7.0 & 8.0)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; SBE VCOM-24; and Tadpole TP32V	*Validated by Registration Verdex Corporation VADS Sun4 => SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 (BASE #901129W1.11102)	Sun-4/20, /65, /110, /150 & /260; SPARCserver 330, 370, 390, 470 & 490; and SPARCstation SLC, 1, 1+, 2, 330 & 370 (under SunOS 4.1)	SPARCengine 1E (bare machine)
Verdex Corporation VADS BCS/88K, AViON DGUX 4.3, VAda-110-8080, Version 6.1 (#901129W1.11101)	Data General AViON Model 5120 (under DG/UX 4.3)	Same as Host	*Validated by Registration Verdex Corporation VADS Sun4 => SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 & 6.1 (BASE #901129W1.11102)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	SPARCengine 1E & Ironics IV-SPARC-33A (bare machines)
*Validated by Registration Verdex Corporation VADS BCS/88K, AViON DGUX 4.3, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	DG AViON Models 4000, 4000GHI, 4020, 4100, 4120, 5010, 5200, 5220, 5240, 5300, 5310, 5400, 5402, 5410, 5412, 6200 & 6220 (under DG/UX 4.3)	Any Host	*Validated by Registration Verdex Corporation VADS Sun-3 SunOS => 68k, VAda-110-13140, Version 6.0 (BASE #910517W1.11149)	Sun 3/260 (under SunOS Release 4.0)	Motorola MVME165 (68040) (bare machine)
*Validated by Registration Verdex Corporation VADS BCS/88K, AViON DGUX 5.4, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	Data General AViON Models 4000, 4000GHI, 4020, 4100, 4120, 5010, 5200, 5220, 5240, 5300, 5310, 5400, 5402, 5410, 5412, 6200 & 6220; MODCOMP Real Star Family (under DG/UX 5.4)	Any Host	*Validated by Registration Verdex Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 (#910517W1.11150)	DECstation 5000-200 (under ULTRIX V4.0)	Lockheed Sanders STAR MVP (R3000) (bare machine)
*Validated by Registration Verdex Corporation VADS BCS/88K, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	MODCOMP Real Star Family (under REAL/IX C.0.2)	Any Host	*Validated by Registration Verdex Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 (BASE #910517W1.11150)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0)	Lockheed Sanders STAR MVP (R3000) (bare machine)
*Validated by Registration Verdex Corporation VADS BCS/88K, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	Motorola 8000 Delta Series (MC88000), all models (under Unix System V/88, R32V3)	Any Host	*Validated by Registration Verdex Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 & 6.2 (BASE #910517W1.11150)	DECstation & DECsystem (MIPS-based) computer families (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pulsar 3000 (bare machines)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdex Corporation VADS VMS => MIPS R3000, VAda-110-03620, Version 6.1 (#910517W1.11151)	MicroVAX 3600 (under VMS V5.2)	Integrated Device Technology IDT7RS302(bare machine)	*Validated by Registration Verdex Corporation VADSworks Sun4 => 68k, VAda-115-40800, Version 2.0 (BASE #910517W1.11154)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 33, CPU 37, & Golden Triangle Firepower; General Micro Systems GMSV17 & GMSV37; Heurikon HK68/V20, V2E, V2F, V2FA, V30, V30XE, V3E, & V3F; Ironics IV-3201a, 3204a, 3220, 3230; Matrix MS-CPU320; Mizar MZ7122 & MZ7124; Motorola MVME133 Series, MVME135, MVME135A, MVME141, MVME143, & MVME147; Radstone PME 68-25 & 68-31; SBE VLAN-e & VPU30; Sun Microsystems 3E; and Tadpole Technology TP32V-4MB (bare machines, using vxWorks 5.0)
*Validated by Registration Verdex Corporation VADS VMS => MIPS R3000, VAda-110-03620, Version 6.1 (BASE #910517W1.11151)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Integrated Device Technology IDT7RS302(bare machine)			
*Validated by Registration Verdex Corporation VADS VAX/VMS => MIPS R3000, VAda-110-03620, Versions 6.1 & 6.2 (BASE #910517W1.11151)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.0, 5.2, & 5.3)	Heurikon HKMIPS/V3500;LSI Logic LR33000/LR33050Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pular 3000 (bare machines)	Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0 (#910517W1.11155)	Zenith Z-486/25E (under SCO UNIX i386 release 3.2)	Same as Host
Verdex Corporation VADS Sun-4 SunOS => 68k, VAda-110-40140, Version 6.0 (#910517W1.11152)	Sun 4/280 (under SunOS Release 4.0)	Motorola MVME165 (68040) (bare machine)	*Validated by Registration Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0 (BASE #910517W1.11155)	Zenith Z-486/33E (under SCO UNIX i386 release 3.2)	Same as Host
*Validated by Registration Verdex Corporation VADS Sun4 SunOS => 68k, VAda-110-40140, Version 6.0 (BASE #910517W1.11152)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	Motorola MVME165 (68040) (bare machine) SunOS 4.1)	*Validated by Registration Verdex Corporation VADS 386/486 System V, Rel. 3.2, VAda-110-3232, Version 6.0 (BASE #910517W1.11155)	Any Computer System Comprising: cpu: any that executes the Intel 80386/486 instruction set (under Any operating system compatible with Unix System V Release 3.2)	Same as Host
*Validated by Registration Verdex Corporation VADS Sun-4 SunOS => 68040, VAda-110-40140, Versions 6.0 & 6.2 (BASE #910517W1.11152)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	DY 4 Systems SVM-144; Force CPU-40 Series/Eagle I; Motorola MVME165, MVME167, MVME167A; PEP Modular Computer VM40; and Tadpole TP41V	*Validated by Registration Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0, 6.1, & 6.2 (BASE #910517W1.11155)	Any computer that executes the Intel 80386 or 80486 instruction set (under SCO UNIX Release 3.2 running SecureWare CMW+/386 v2)	Same as Host
Verdex Corporation VADS DEC-RISC => 88k, VAda-110-61680, Version 6.1 (#910517W1.11153)	DECstation 2100 (under ULTRIX 4.0)	Motorola MVME181 (bare machine)	Verdex Corporation VADS Sun-4 SunOS => AMD 29K, 6.0 VAda-110-40525, Version 6.0 (#910517W1.11156)	Sun 4/280 (under SunOS 4.0.3)	Ironics IV9001 board (AMD 29000)(bare machine)
*Validated by Registration Verdex Corporation VADS DEC-RISC => 88k, VAda-110-61680, Version 6.1 (BASE #910517W1.11153)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0)	Motorola MVME181 (88000) (bare machine)	*Validated by Registration Verdex Corporation VADS Sun4 SunOS => AMD 29K, VAda-110-40525, Version 6.0 (BASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Ironics IV9001 board (AMD 29000)(bare machine)
*Validated by Registration Verdex Corporation VADS DEC-RISC => 88k, VAda-110-61680, Versions 6.1 & 6.2 (BASE #910517W1.11153)	DECstation & DECsystem (MIPS-based) computer families (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Hughes Realtime Embedded Ada Processor (REAP) (bare machine)	*Validated by Registration Verdex Corporation VADS IBM RISC System/6000 => 68K, VAda-110-71125, Versions 6.0, 6.1, & 6.2 (BASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver of complers (under SunOS 4.0, 4.1, & 4.2)	Ironics IV9001 board (AMD 29000)(bare machine)
Verdex Corporation VADSworks Sun4 => 68k, VAda-115-40800, Version 2.0 (#910517W1.11154)	Sun 4/20 (under SunOS 4.1.1)	Motorola MVME147SA (bare machine, using vxWorks 5.0)			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdex Corporation VADS Sun-4 SunOS => AMD 29K, VAda-110-40525, Versions 6.0, 6.1, & 6.2 (BASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers (under SunOS 4.0, 4.1, & 4.2)	Ironics IV9001 board (AMD 29000) (bare machine)	*Validated by Registration Verdex Corporation VADS IBM RS/6000 AX 3.1, VAda-110-71620, Version 6.1 (BASE #910920W1.11202)	IBM RISC System/6000 Models 320, 520, 540, 730, & 930 (under AX 3.1)	IDT 7RS302 (R3000) (bare machine)
Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.1 (#910517W1.11157)	Intel 402 (under SCO UNIX 3.2v2.e)	Same as Host	*Validated by Registration Verdex Corporation VADS IBM RS/6000 => MIPS R3000, VAda-110-71620, Versions 6.1 & 6.2 (BASE #910920W1.11202)	IBM RISC/System 6000 Series of computers (under AX 3.1 & 3.2)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pulsar 3000 (bare machines)
*Validated by Registration Verdex Corporation VADS 386/486 System V, Rel. 3.2, VAda-110-3232, Version 6.1 (BASE #910517W1.11157)	Any Computer System Comprising: cpu: any that executes the Intel 80386/i486 instruction set (under Any operating system compatible with Unix System V Release 3.2)	Same as Host	Verdex Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 (#910920W1.11205)	SPARCserver 490 (under SunOS Release 4.1)	LSI LR33000 Pocket Rocket Evaluation board (R3000) (bare machine)
*Validated by Registration Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Versions 6.1, & 6.2 (BASE #910517W1.11157)	Any computer that executes the Intel 80386 or 80486 instruction set (under 486 SCO ODT v1.1.1 & v2 R3.1, NCR UNIX System V Release 4.0, and UNIX System V/486 Release 4.0)	Same as Host	*Validated by Registration Verdex Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 (BASE #910920W1.11205)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	LSI LR33000 Pocket Rocket Evaluation board (R3000) (bare machine)
*Validated by Registration Verdex Corporation VADS HP 9000/300, VAda-110-1515, Version 6.0 (BASE #910517W1.11157)	Hewlett-Packard HP 9000 Series 300 (under HP-UX 7.0)	Any Host	*Validated by Registration Verdex Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 & 6.2 (BASE #910920W1.11205)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers (under SunOS 4.0, 4.1, & 4.2)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computer; Omnibyte VR3000; and Pulsar 3000 (bare machines)
Verdex Corporation VADS MIPS, VAda-110-6262, Version 6.1 (#910920W1.11200)	MIPS RC3230 (under RISC/os 4.52)	Same as Host	Verdex Corporation VADS Sun-4 SunOS => MC68000/10, VAda-110-40128, Version 6.0 (#910920W1.11206)	Sun-4/280 (under SunOS Release 4.0.3)	Motorola MVME101 (68000) with MVME222-1 memory board (bare machine)
*Validated by Registration Verdex Corporation VADS VAda-110-6262, Version 6.1 (BASE #910920W1.11200)	MIPS RC3xxx & RC4xxx series of computers (under RISC/OS 4.5)	Any Host	*Validated by Registration Verdex Corporation VADS Sun4 => MC68000/10, VAda-110-40128, Version 6.0 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola MVME101 (68000) with MVME222-1 memory board (bare machine)
Verdex Corporation VADS VAX/VMS => 68040, VAda-110-03140, Version 6.0 (#910920W1.11201)	MicroVAX 3100 (under VMS 5.3)	Motorola MVME165 (68040) (bare machine)	*Validated by Registration Verdex Corporation VADS Sun-4 => MC68000/10, SunOS 4.1, VAda-110-40128, Version 6.0 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Motorola 68302, Philips-Signetics 68070, & Toshiba 68301 (bare machines)
*Validated by Registration Verdex Corporation VADS VAX/VMS => 68040, VAda-110-03140, Version 6.0 (BASE #910920W1.11201)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.3)	Motorola MVME165 (68040) (bare machine)	*Validated by Registration Verdex Corporation VADS Sun-4 => MC68000/10, SunOS, VAda-110-40128, Versions 6.0, 6.1, & 6.2 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Motorola MVME101, Motorola 68302, Philips-Signetics 68070, & Toshiba 68301 single-board computers (bare machines)
Verdex Corporation VADS IBM RS/6000 => MIPS R3000, VAda-110-71620, Version 6.1 (#910920W1.11202)	IBM RISC System/6000 Model 530 (under AX 3.1)	IDT 7RS302 (R3000) (bare machine)			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS Sun-4 SunOS => CPU32, VAdA-110-40150, Version 6.0 (#910920W1.11207)	Sun-4/280 (under SunOS Release 4.0.3)	Motorola CPU32 - M68332EVS Evaluation System (68332) (bare machine)	Verdix Corporation VADS Sun4 SunOS => 68020/30ARTX, VAdA-110-40120, Version 6.0 (#910920W1.11211)	SPARCstation 2 (under SunOS Release 4.1.1)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => CPU32, VAdA-110-40150, SunOS 4.1) Version 6.0 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola CPU32 - M68332EVS Evaluation System (68332) (bare machine)	*Validated by Registration Verdix Corporation VADS Sun4 SunOS => 68020/30ARTX, VAdA-110-40120, Version 6.0 (BASE #910920W1.11211)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => CPU32, VAdA-110-40150, Version 6.0 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCEngine computer families (under SunOS 4.1)	Motorola CPU32-68331, -68333, & -68340 Evaluation Systems (bare machines)	*Validated by Registration Verdix Corporation VADS Sun4 SunOS => 68020/30ARTX, VAdA-110-40120, Versions 6.0 & 6.2 (BASE #910920W1.11211)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; SBE VCOM-24; and Tadpole TP32V (bare machines)
*Validated by Registration Verdix Corporation VADS Sun-4 => CPU32, SunOS, VAdA-110-40150, SunOS 4.0, 4.1., & 4.2) Versions 6.0 & 6.2 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1., & 4.2)	Motorola CPU32-68331, -68332, -68333, & -68340 Evaluation Systems (bare machines)	Verdix Corporation VADS IBM RISC System/6000AD => 68020/30ARTX, VAdA-110-71120, Version 6.0 (#910920W1.11212)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Motorola MVME147 (68030) (bare machine)
Verdix Corporation VADS IBM PS/2, AIX 1.1, VAdA-110-3535, Version 6.1 (#910920W1.11208)	IBM PS/2 Model 80 (under AIX 1.1)	Same as Host	*Validated by Registration Verdix Corporation VADS IBM RISC System/6000AD => 68020/30ARTX, VAdA-110-71120, Version 6.0 (BASE #910920W1.11212)	IBM RISC System/6000 Models 320, 520, 540, 730, & 930 (under AIX 3.1)	Motorola MVME147 (68030) (bare machine)
Verdix Corporation VADS MIPS => MIPS R3000, VAdA-110-62620, Version 6.1 (#910920W1.11209)	MIPS RC3230 (under RISC/as 4.52)	Lockheed Sanders STAR MVP (R3000) (bare machine)	Verdix Corporation VADS SYSTEM V/860 RELEASE 4, VAdA-110-9090, Version 6.1 (#910920W1.11213)	Okidata I860 Workstation (under UNIX SYSTEM V/860 RELEASE 4 v1.0)	Same as Host
*Validated by Registration Verdix Corporation VADS MIPS => MIPS R3000, VAdA-110-62620, Versions 6.1 & 6.2 (BASE #910920W1.11209)	MIPS RC3230 (under RISC/OS 4.5)	Heurikon HKMIPS/V3500;LSI Logic LR33000/LR33050Pocket Rocket; any MIPS R2000-based R3000-based computers OmniByte VR3000; and Pulsar 3000 (bare machines)	Verdix Corporation VADS VMS => AMD29000, VAdA-110-03525, Version 6.04 (#910920W1.11214)	MicroVAX 3600 (under VMS 5.2)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
Verdix Corporation VADS Sun-3 SunOS => 68020/30ARTX, VAdA-110-13120, Version 6.0 (#910920W1.11210)	Sun-3/280 (under SunOS Release 4.0)	Motorola MVME147 (68030) (bare machine)	*Validated by Registration Verdix Corporation VADS VAX VMS => AMD 29K, VAdA-110-03525, Version 6.04 (BASE #910920W1.11214)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.3)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
*Validated by Registration Verdix Corporation VADS Sun3 SunOS => 68020/30ARTX, VAdA-110-13120, Version 6.0 (BASE #910920W1.11210)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Cyclone CVME 44, 46, & 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37, & Golden Triangle Firepower; Heurikon HK68/V2E Series, V2F Series, & V30 Series; Integrated Solutions VME68K20, 68K30, 68225, & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, MVME136, MVME141, & MVME147 Series; Sun Microsystems 3E board set; and Tadpole Technology TP32V & TP32M (bare machines)	Verdix Corporation VADS Sun-3 SunOS => AMD 29K, VAdA-110-13525, Version 6.04 (#910920W1.11215)	Sun-3/180 (under SunOS 4.1.1)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS Sun-3 SunOS => AMD 29K, VAda-110-13525, Version 6.04 (BASE #910920W1.11215)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)	*Validated by Registration Verdix Corporation VADS Sun SPARC => 386, VAda-110-40315, Version 6.2 (BASE #920513W1.11258)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	Intel iSBc 486/133 & 486/166 (bare machines)
Verdix Corporation VADS AT&T 382/600GR UNIX System V, Release 4.0, VAda-110-6363, Version 6.1 (#920513W1.11252)	AT&T 382/600GR (under UNIX System V, Release 4.0)	Same as Host	Verdix Corporation VADSworks DEC-RISC => MIPS R3000, VAda-115-61640, Version 2.0 (#921004W1.11277)	DECstation 5000/200 (under Ulrix V4.1)	Lockheed Sanders STAR MVP board (bare machine, using vxWorks 5.0)
Verdix Corporation VADS IBM RISC System/6000 => IBM RISC System/6000, VAda-110-71710, Version 6.2 (#920513W1.11253)	IBM RISC System/6000 Model 530 (under AIX 3.2)	IBM RISC System/6000 Model 320 (bare machine)	*Validated by Registration Verdix Corporation VADSworks DEC-RISC => MIPS R3000, VAda-115-61640, Version 2.0 (BASE #921004W1.11277)	DECstation & DECsystem (MIPS-based) computer families (under ULTRIX 4.1, 4.2, & 4.3)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pulsar 3000 (bare machines, using VxWorks 5.0 & 5.1)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000, VAda-110-71710, Version 6.2 (BASE #920513W1.11253)	IBM RISC System/6000 series of computers (under AIX 3.1 & 3.2)	Any Host	Verdix Corporation VADS IBM RISC System/6000, VAda-110-7171, Version 6.2 (#921004W1.11278)	IBM RISC System/6000 model 220 (under AIX 3.2)	Same as Host
Verdix Corporation VADS BCS => 88K, VAda-110-80680, Version 6.1 (#920513W1.11254)	Motorola 88000 Delta (under R32V3 920117)	Motorola MVME187 (88000) (bare machine)	*Validated by Registration Verdix Corporation VADS IBM RISC System/6000 VAda-110-7171, Version 6.2 (BASE #921004W1.11278)	IBM RISC System/6000 models 230 & 570 (under AIX 3.2 & AIX BI/CMW)	Same as Host
Verdix Corporation VADSworks Sun4 => 68K, VAda-115-40800, Version 2.0 (#920513W1.11256)	Sun-4/20 (under SunOS, 4.1.1)	Motorola MVME167A (68040) (bare machine, using VxWorks 5.0)	Verdix Corporation VADS IBM RISC System/6000, VAda-110-7171, Version 6.2 (#921004W1.11279)	IBM RISC System/6000 model 530H (under AIX 3.2)	Same as Host
*Validated by Registration Verdix Corporation VADSworks Sun4 => 68K, VAda-115-40800, Versions 2.0 & 3.0 (BASE #920513W1.11256)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer family (under SunOS 4.0, 4.1, & 4.2)	DY 4 Systems SVM-144; Force CPU-40 Series; Motorola MVME162, MVME165, MVME167, & MVME167A; PEP Modular Computer VM40; Radstone CPU-40; and Tadpole TP41V (bare machine, using vxWorks 5.0)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11280)	ASL 486/33 (under UNIX System V, Release 3.2)	Same as Host
Verdix Corporation VADSworks Sun4 => SPARC, VAda-115-40850, Version 2.0 (#920513W1.11257)	Sun-4/20 (under SunOS, 4.1.1)	Sun SPARCengine 1e (bare machine, using VxWorks v5.0)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11281)	AST Premium 486 (under UNIX System V, Release 4.0)	Same as Host
Verdix Corporation VADS Sun SPARC => 386, VAda-110-40315, Version 6.2 (#920513W1.11258)	Sun-4/260 (under SunOS, Version 4.1.2)	Intel iSBc 386/20p (bare machine)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11282)	NCR model 3450 (under NCR UNIX SVR4 MP-RAS Release 2)	Same as Host
*Validated by Registration Verdix Corporation VADS Sun SPARC => 386/486, VAda-110-40315, Version 6.2 under SunOS 4.x (BASE #920513W1.11258)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1 & 4.2)	Any single-board computer that executes the Intel 80386 or i486 instruction set (bare machine)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11283)	NCR model 3550 (under NCR UNIX SVR4 MP-RAS Release 2)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11284)	RDI Britelite IPX Laptop (under Solaris 2.1)	Same as Host	*Validated by Registration Verdex Corporation VADS MP Sun SPARC, Solaris 2.0, VAda-110-4141, Version 6.2 (BASE #921004W1.11290)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0 & 2.1)	Any Host
Verdex Corporation VADS Sun-4 Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11285)	SPARCstation LX 4/30 (under Solaris 2.1)	Same as Host	Verdex Corporation VADS Silicon Graphics Self, VAda-110-6464, Version 6.2 (#921004W1.11291)	Silicon Graphics IRIS 4D/440 (under IRIX 4.0.1)	Same as Host
*Validated by Registration Verdex Corporation SPARCCompiler Ada Porting Kit, Version 2.0 (BASE #921004W1.11285)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.1)	Any Host	Verdex Corporation VADS MP Silicon Graphics, VAda-110-6565, Version 6.2 (#921004W1.11292)	Silicon Graphics IRIS 4D/440 (under IRIX 4.0.1)	Same as Host
*Validated by Registration Verdex Corporation SPARCworks Professional Ada, Version 2.0 (BASE #921004W1.11285)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.1 & 2.2)	Any Host	Verdex Corporation VADSelf HP 9000 series 700 VAda-110-7575, Version 6.2 (#930226W1.11311)	HP 9000/720 (under HP-UX 8.0.7)	Same as Host
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11286)	SPARCstation 10 model 30 (under Solaris 2.1)	Same as Host	Verdex Corporation VADSworx Sun-4 => MIPS R3000 VAda-115-40640, Version 2.0 (#930226W1.11312)	Sun-4/20 (under SunOS Release 4.1.1)	Heurikon HKMIPS/3500 (R3000) board (bare machine, using vxWorks 5.0)
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11287)	SPARCstation 10 model 41 (under Solaris 2.1)	Same as Host	*Validated by Registration Verdex Corporation VADSworx Sun-4 => MIPS R3000 VAda-115-40640, Version 2.0 (BASE #930226W1.11312)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Heurikon HKMIPS/V3500 (bare machine, using vxWorks 5.0)
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11288)	SPARCstation 10 model 42 (under Solaris 2.1)	Same as Host	Verdex Corporation VADS Sun4 => MIPS R3000, VAda-110-42620, Version 6.2 (#930901W1.11323)	Sun SPARCstation 2 (under Solaris 2.2)	Lockheed Sanders STAR MYP (R3000) (bare machine)
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11289)	Sun SPARCserver 690 (under Solaris 2.1)	Same as Host	Verdex Corporation VADS Sun4 => MIPS R4000, VAda-110-40630, Version 6.2 (#930901W1.11324)	Sun SPARCstation 2 (under SunOS 4.1.2)	Silicon Graphics Indigo XS4000 used as a MIPS R4000 board (bare machine)
*Validated by Registration Verdex Corporation Sun Microsystems SPARCCompiler Ada 2.1 (BASE #921004W1.11289)	Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0, 2.1, 2.2, & 2.3)	Any Host	Verdex Corporation VADS Sun4 => PARAGON, VAda-110-40782, Version 6.2 (#930901W1.11325)	Sun SPARCstation 2 (under SunOS 4.1.3)	Intel PARAGON Supercomputer (under OSF/1 Release 1.0.3 Server 1.1 PT10.7.6(T10.4))
Verdex Corporation VADS MP Sun SPARC Solaris 2.1, VAda-110-4141, Version 6.2 (#921004W1.11290)	Sun SPARCserver 690 (under Solaris 2.1)	Same as Host	Verdex Corporation VADS SYSTEM V/88 RELEASE, VAda-110-8080, Version 6.2 (#930901W1.11326)	Motorola Delta 8640 (under UNIX System V/88 Release 4.0)	Same as Host
*Validated by Registration Verdex Corporation Sun Microsystems SPARCworks iMPact Ada 1.0 (BASE #921004W1.11290)	Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0, 2.1, 2.2, & 2.3)	Any Host			

Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdex Corporation VADS SYSTEM V/88 RELEASE 4, VAda-110-8080, Version 6.2 (#930901W1.11327)	Data General AViiON Model 530 (under DG/UX Release 5.4.2)	Same as Host	*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterServe 200, 300, 2000, 3000, 4200, 5200, 6000, 6105 & 6505 (under CLIX Release 3.1)	Any Host
Verdex Corporation VADS Windows NT/486, VAda-110-36315, Version 6.2 (#940110W1.11337)	Compudyne 486 (under Windows NT 3.1)	Same as Host	*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	Intergraph Series 2400 & 6400--all models that use the C400 chip (under CLIX Release 3.1)	Any Host
Wang Laboratories, Inc. Wang VS Ada Version 5.00.00 (#901129W1.11093)	Wang VS 8480 (under Wang VSOS 7.30.02)	Same as Host			
*Validated by Registration Wang Laboratories, Inc. Wang VS Ada Version 5.00.00 (BASE #901129W1.11093)	Wang VS Models: 100 & 300; 5430, 5440, 5450 & 5460; 7010, 7110, 7120, 7150 & 7310; 8220, 8230, 8260, 8430, 8460, 8470 & 8480; and 10050, 10075 & 10100 (under all VS OS versions 7.21.xx & 7.30.xx)	Same as Host			
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (#901127N1.11073)	Intergraph InterPro 3050 Workstation (under CLIX R3.1)	Same as Host			
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	Intergraph Mobile GIS/C2 (under CLIX Release 3.1)	Same as Host			
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterPro 125, 225, 340, 360, 2020, 3070, 6040, 6240, 6080 & 6280 (under CLIX Release 3.1)	Any Host			
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterView 220 & 3050 (under CLIX Release 3.1)	Any Host			
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterAct 220, 2020, 3050, 6040, 6080, 6240 & 6280 (under CLIX Release 3.1)	Any Host			

2.7.4 PASCAL PROCESSORS

Pascal -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Digital Equipment Corporation	DEC Pascal for OpenVMS VAX Version 5.0; NIST-93/1762; Level 0/1 (Switchable); 8/1/94	VAXstation 3100 Model 70; OpenVMS VAX Version 5.5	VAXft 3000 Models 110, 310, 410, 610, 612; VAX-11 /730, /750, /780, /785; MicroVAX II; 2000; 3100 Models 10, 10E, 20, 20E, 30, 40, 80, 90; 3200; 3300; 3400; 3500; 3600; 3800; 3900; VAXstation II; II/GPX; II/QVSS; 2000; 2000/GPX, 2000/MFB; 3100 Models 30, 38, 40, 48, 76; 3100/GPX Models 38, 48, 76; 3100/SPX Models 38, 48, 76; 3200; 3500; 3520; 3540; 4000-VLC; 4000 Models 60, 90; VAXserver 3100 Models 10, 10E, 20, 20E; 3200; 3300; 3400; 3500; 3600; 3800; 3900; 4000 Models 200, 300, 400, 500, 600; 6000 Models 210, 220, 310, 320, 410, 420, 510, 520; VAX 4000 Models 100, 200, 300, 500, 600; 6000 Models 210, 220, 230, 240, 310, 320, 330, 340, 360, 410, 420, 430, 440, 450, 460, 510, 520, 530, 540, 550, 560, 610, 620, 630, 640; 7000 Models 610, 620, 630, 640, 650, 660; 8200; 8250; 8300; 8350; 8530; 8550; 8600; 8650; 8700; 8800; 8810; 8820; 8830; 8840; 9000 Models 110, 110VP, 210, 210VP, 310, 310VP, 320, 320VP, 330, 330VP, 340, 340VP, 410, 410VP, 420, 420VP, 430, 430VP, 440, 440VP; 10000 Models 610, 620, 630, 640, 650, 660; VAXserver 8200, 8250, 8300, 8350, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; OpenVMS VAX, Version 5.5
	DEC Pascal for DEC OSF/1 AXP Systems, Version 5.0; NIST-93/1763; Level 0/1 (Switchable); 8/1/94	DEC 3000 Model 500; DEC OSF/1 AXP Version 1.2	DEC 10000, DEC 7000, DEC 4000, DEC 3000, DEC 2000, DEC 1000; DEC OSF/1 AXP Version 1.2
	DEC Pascal for OpenVMS AXP Version 5.0; NIST-93/1764; Level 0/1 (Switchable); 8/1/94	DEC 3000 Model 500; OpenVMS AXP Version 1.5	DEC 10000, DEC 7000, DEC 4000, DEC 3000, DEC 2000, DEC 1000; OpenVMS AXP Version 1.5
IBM Canada Ltd.	IBM AIX XL Pascal Compiler/6000 Version 1 Release 1; NIST-94/1521; Level 0/1; 4/1/95	IBM RISC System /6000 POWERstation /POWERserver 560; IBM AIX for RISC System/6000, Version 3 Release 2	IBM RISC System/6000 POWERstation/POWERserver Models 25T, 25W, 58H, 220, 250, 320H, 34H, 340, 350, 360, 370, 520H, 530, 540, 550, 560, 560F, 590, 730; AIX for RISC System/6000 Version 3 Release 2 IBM RISC System/6000 POWERserver Models 25S, 990, 930, 950, 970; AIX for RISC System/6000 Version 3 Release 2
	IBM AIX XL Pascal Compiler/6000 Version 2 Release 1; NIST-94/1522; Level 0/1; 4/1/95	IBM RISC System /6000 POWERstation /POWERserver 560; IBM AIX for RISC System/6000, Version 3 Release 2	IBM RISC System/6000 POWERstation/POWERserver Models 25T, 25W, 58H, 220, 250, 320H, 34H, 340, 350, 360, 370, 520H, 530, 540, 550, 560, 560F, 590, 730; AIX for RISC System/6000 Version 3 Release 2 IBM RISC System/6000 POWERserver Models 25S, 990, 930, 950, 970; AIX for RISC System/6000 Version 3 Release 2
Intergraph Corporation	Pascal-Clipper Version 1.8.4B; NIST-94/1102; Level 0/1; 12/1/94	Clipper Model 2730; CLIX Version 7.1.3	Clipper C300 and C400; CLIX Version 7.1.3

PASCAL PROCESSORS, *Continued*

Pascal -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Siemens Nixdorf Informations- systeme AG	Pascal-XT V2.2B; PCVS/0101/UK; Level I; 9/1/94	7.582 TX (H90); BS 2000 V11.0	7.582 TX (H90); BS 2000 Version 10.0
	Pascal-XT V2.1C; PCVS/0102/UK; Level I; 9/1/94	MX500 (80386); SINIX-M V5.41	SINIX-PC; SINIX-Z Version 5.41
	Pascal-XT V2.1C; PCVS/0103/UK; Level 1; 9/1/94	RM600 (MIPS R3000); SINIX-P V5.41	RM400; SINIX-N Version 5.41
SUNPRO	SPARCompiler Pascal Version 3.0.2; NIST-93/2183; Level 0/1; 2/1/95	SPARCstation 10; Solaris Version 2.3	

2.7.5 C PROCESSORS

C -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Digital Equipment Corporation	DEC OSF/1 for AXP C Version 2.0; NIST-93/2144; 12/1/94	DEC 3000 Model 400; DEC OSF/1 for AXP Version 2.0	DEC 3000 400, 500; DEC 4000 610; DEC 7000 610; DEC 10000 610; DEC OSF/1 for AXP Version 2.0
	DEC C for RISC/Ultrix Version 1.2a Release 1; NIST-93/2145; 12/1/94	DECstation 5000/200; Ultrix Version 4.4	DECstation 2100, 3100; Personal DECstation 5000 mods 20/25 MX, HX, TX, PXG+, PXG Turbo+; DECstation 5000 mods 120/125/133 MX, CX, HX, PX, TX, PXG, PXG+, PXG Turbo, PXG Turbo+; Models 200 MX CX HX, PX, TX, PXG PXG+ PXG Turbo, PXG Turbo+; Models 240 MX, HX, TX, PXG+, PXG Turbo+; DECsystem 3100; 5000 Models 25, 200, 240; 5100; 5400; 5500; 5810; 5820; 5830; 5840; 5900; Ultrix Version 4.4
	DEC C for OpenVMS VAX Version 1.3; NIST-93/1765; 8/1/94	VAXstation 3100 Model 48; OpenVMS VAX, Version 6.0	VAXft 3000 Models 110, 310, 410, 610, 612; VAX-11 /730, /750, /780, /785; MicroVAX II; 2000; 3100 Models 10, 10E, 20, 20E, 30, 40, 80, 90; 3200; 3300; 3400; 3500; 3600; 3800; 3900; VAXstation II; II/GPX; II/QVSS; 2000; 2000/GPX, 2000/MFB; 3100 Models 30, 38, 40, 48, 76; 3100/GPX Models 38, 48, 76; 3100/SPX Models 38, 48, 76; 3200; 3500; 3520; 3540; 4000-VLC; 4000 Models 60, 90; VAXserver 3100 Models 10, 10E, 20, 20E; 3200; 3300; 3400; 3500; 3600; 3800; 3900; 4000 Models 200, 300, 400, 500, 600; 6000 Models 210, 220, 310, 320, 410, 420, 510, 520; VAX 4000 Models 100, 200, 300, 500, 600; 6000 Models 210, 220, 230, 240, 310, 320, 330, 340, 360, 410, 420, 430, 440, 450, 460, 510, 520, 530, 540, 550, 560, 610, 620, 630, 640; 7000 Models 610, 620, 630, 640, 650, 660; 8200; 8250; 8300; 8350; 8530; 8550; 8600; 8650; 8700; 8800; 8810; 8820; 8830; 8840; 9000 Models 110, 110VP, 210, 210VP, 310, 310VP, 320, 320VP, 330, 330VP, 340, 340VP, 410, 410VP, 420, 420VP, 430, 430VP, 440, 440VP; 10000 Models 610, 620, 630, 640, 650, 660; VAXserver 8200, 8250, 8300, 8350, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; OpenVMS VAX, Version 6.0
	DEC C for OpenVMS AXP Version 4.0; NIST-94/1405; 4/1/95	DECstation 3000 Model 400; OpenVMS AXP Version 6.1	DEC 2000 Model 300S AXP; DEC 3000 Models 300 AXP, 300L AXP, 300X AXP, 300LX AXP, 400 AXP, 400S AXP, 600 AXP, 600S AXP, 800 AXP, 800S AXP; Digital 2100 A600/600 MP; DEC 4000 Models 600 AXP, 700 AXP; DEC 7000 Models 600 AXP; DEC 10000 Model 600 AXP; OpenVMS AXP, Version 6.1
Encore Computer Corporation	C Version 1.3.0; NIST-93/2261; 11/1/94	Encore 91; UMAX V, Version 3.0.9	ENCORE INFINITY 90, R/T; UMAX V, Version 3.0.9 ENCORE 93; UMAX V, Version 3.1.3
Hewlett- Packard Company	HP C/HP-UX Version A.09.60 Release HP-UX 9.0; NIST-94/1221; 1/1/95	HP9000 Model 720; HP-UX Version 9.0	HP9000 Models 8xx, 7xx, 6xx, FxO, GxO, HxO, IxO; HP-UX Version 9.0
	HP C/iX Version A.05.02 Release MPE/iX 5.0; NIST-94/1222; 1/1/95	HP3000 Model 967; MPE/iX Version 5.0	HP3000 Model 9xx; MPE/iX Version 5.0

C PROCESSORS, *Continued*

C -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	HP C/HP-UX Version B.08.36 Release HP-UX B.09.00; NIST-94/1223; 1/1/95	HP9000 Model 42S; HP-UX Version B.09.00	HP9000 Models 3xx, 4xx; HP-UX Version B.09.00
IBM Canada Ltd.	XL C Compiler Version 1.3; NIST-93/1961; 10/1/94	IBM RISC System/6000 Model 320; AIX for RISC System /6000 Version 3.2	IBM RISC System/6000 POWERstation/POWERserver 220, 230, 250, 25E, 320, 320H, 340, 340H, 350, 360, 36T, 370, 37T, 520, 520H, 530, 530H, 540, 550, 550L, 560, 580, 58H, 590; POWERserver 25S, 930, 950, 95E, 970, 97B, 97E, 97F, 970, 980, 98B, 98E, 98F, 990, 99E, 99F, POWERstation M20, M2A, 25T, 25W, 355, 365, 36T, 375, 37T, R24; AIX for RISC System/6000 Version 3 Release 2
	C Set ++ for AIX/6000 Version 2.1; NIST-93/1962; 10/1/94	IBM RISC System /6000 Model 320; AIX for RISC System /6000 Version 3.2	IBM RISC System/6000 POWERstation/POWERserver 220, 230, 250, 25E, 320, 320H, 340, 340H, 350, 360, 36T, 370, 37T, 520, 520H, 530, 530H, 540, 550, 550L, 560, 580, 58H, 590; POWERserver 25S, 930, 950, 95E, 970, 97B, 97E, 97F, 970, 980, 98B, 98E, 98F, 990, 99E, 99F, POWERstation M20, M2A, 25T, 25W, 355, 365, 36T, 375, 37T; AIX for RISC System/6000 Version 3 Release 2
	IBM ILE C/400 Version 2 Release 3; NIST-93/1963; 10/1/94	AS/400 Model 9406/E90; OS/400 Version 2 Release 3	9402 System Models D02, E02, C04, D04, E04, C06, D06, E06, F02, F04, F06; 9404 System Models B10, C10, D10, E10, B20, C20, D20, E20, C25, D25, E25, F10, F20, F25; 9406 System Models B30, B35, B40, B45, B50, B60, B70, D35, E35, D45, E45, D50, E50, D60, E60, F80, F90, F95, D70, E70, D80, E80, E90, E95, F35, F45, F50, F60, F70; OS/400 Version 2 Release 3
Intel SSD	CC Compiler Version R4.5; NIST-93/1782; 11/1/94	XP/5; OSF/1AD Release R1.1	
Intergraph Corporation	Clipper Advanced Optimizing C Version 1.57; NIST-94/1103; 12/1/94	Clipper Model 2730; CLIX Version 7.1	Clipper C3000 and C4000; CLIX Version 7.1
	Clipper Advanced Optimizing C Version 2.0; NIST-94/1105; 12/1/94	Clipper Model 2730; CLIX Version 7.1	Clipper C300 and C400; CLIX Version 7.1
Microsoft Corporation	Microsoft C/C++ Optimizing Compiler Version 8.00 Release Microsoft Visual C++ 1.0; NIST-93/1881; 9/1/94	IBM PS/2 Model 70/486 DX; MS-DOS 6.0/ Microsoft Windows 3.1	IBM PS/2 486DX, IBM PS/2 486SX, IBM PS/2 386DX, IBM PS/2 386SX; MS-DOS 6.0/Microsoft Windows 3.1
	Microsoft C/C++ Optimizing Compiler Version 8.00; NIST-93/1882; 9/1/94	Compaq 486/33M DX; MS-DOS 6.0/ Microsoft Windows 3.1	Compaq 486DX, Compaq 486SX, Compaq 386DX, Compaq 386SX; MS-DOS 6.0/Microsoft Windows 3.1

C PROCESSORS, *Continued*

C -
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Microsoft C/C++ Optimizing Compiler Version 8.00; NIST-93/1883; 9/1/94	Zenith 486/33E DX; MS-DOS 6.0/ Microsoft Windows 3.1	Zenith 486DX, Zenith 486SX, Zenith 386DX, Zenith 386SX; MS-DOS 6.0/Microsoft Windows 3.1
NCR Corporation	NCR C Development Toolkit Release 2; NIST-94/1121; 1/1/95	NCR System 3000 Model 3550; NCR UNIX SVR4 MP-RAS Release 2 Version SVR4	NCR System 3000 Models 3335, 3340, 3345, 3350, 3360, 3410, 3430, 3445, 3447, 3450, 3455, 3470, 3475, 3520, 3525, 3555, 3570, 3575, 3600; NCR UNIX SVR4 MP-RAS Rel. 2
Pyramid Technology Corp.	DC/OSx ANSI C, Version 3.11 Release c07x; NIST-94/1541; 5/1/95	MIServer-ES; DC/OSx Version 1.1 Release c07x	MIServer-S; DC/OSx Version 1.1 Release c07x
	DC/OSx ANSI C, Version 3.11 Release d07x; NIST-94/1542; 5/1/95	MIServer-NILE; DC/OSx Version 1.1 Release d07x	
SCO Canada, Inc.	SCO XPG4 Development System Supplement Version 1.0; NIST-94/1661; 4/1/95	DELL 486 Model 450DE/2 DGX; SCO UNIX Version 3.2 Release 4.2	
Sequent Computer Systems, Inc.	ptx/C Version 2 Release 1.0; NIST-93/2003; 2/1/95	S2000/250; DYNIX/ptx Version 2 Release 1.0	S2000/450, S2000/750; DYNIX/ptx Version 2 Release 1.0
SUNPRO	SPARCCompiler C Version 3.0; NIST-93/2184; 2/1/95	SPARCstation 10 SPARCserver 1000; Solaris Version 2.3	
	ProCompiler C Version 2.0.1; NIST-93/1902; 8/1/94	DELL Model 433DE; Solaris Version 2.1 Release X86	
Tandem Computers Incorporated	C Version D20 Release D20; NIST-93/2041; 10/1/94	NonStop VLX; NonStop Kernel Version D20 Release D20	
Unisys	UCS C (UC) Version 4R1 Release SB5R1; NIST-93/2221; 11/1/94	2200 Model 900; 1100 OS EXEC Version 44R1 Release SB5R1	1100/90, 2200/400, 2200/600; 1100 OS EXEC/44R1

2.7.6 MUMPS PROCESSORS

No entries at this time.

2.8 LANGUAGE PROCESSORS WITH REGISTERED REPORTS ONLY

No entries at this time.

3. DATABASE LANGUAGE (SQL)

3.1 FIPS Database Language Standards

As specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Standards Index, Federal agencies, when acquiring SQL processors, are responsible for assuring that processors are in accordance with the applicable FIPS PUB 127, Database Language SQL. On December 3, 1993, FIPS PUB 127-2 superseded FIPS PUB 127-1.

3.2 Organization of Database Language Processor Entries

Each entry in the VPL is a very limited extract from the Validation Summary Report (VSR) available from the Software Standards Validation Group at NIST. See 3.4 and 3.5 below.

Products validated for conformance to FIPS PUB 127-2 are listed first, followed by products validated for FIPS PUB 127-1. Products that demonstrated one or more nonconformities, as assessed by the SQL Validation System, are listed separately at the end. (These products are considered "provisionally" validated, pending correction of nonconformities.) The entries in the VPL for database language processors are presented as follows:

- The **VENDOR ID** column contains the name of the Vendor of the processor.
- The **PROCESSOR ID** column contains the name of the processor, its version number, the VSR number, and the Expiry date of the Validation Certificate or the Registered VSR. The term "Pre-release" means that the vendor has designated the SQL processor as "not commercially available" at the time of validation. The product is listed to assist users in planning for future procurements. "Validated by Registration" means the Vendor has complied with CSL procedures for self-testing a ported version of a registered SQL processor. NIST has reviewed Vendor test results and determined them to be equivalent to those in the referenced BASE VSR.
- The **INTERFACES & COMPILERS** column contains the names of associated interactive SQL or programming language interfaces, and identification of the programming language compilers that interface with the SQL processor. A listing in the **COMPILERS** column is not an indication that the compiler has been validated for the applicable programming language standard. See the preceding "Programming Languages" Section for a list of validated compilers.
- The **HARDWARE & OPERATING SYSTEM** column presents the hardware and operating system environment used during the validation.
- The entries in the **OTHER HW/SW ENVIRONMENTS** column include other hardware and operating system environments in which the processor operates, and the programming language compilers that interface with the SQL processor. The listings of the compilers and operating systems may contain a range of versions that are supported. Rebadged or renamed software are also listed here. This column is restricted to binary-compatible hardware environments.
- The **NONCONFORMITIES** column lists the number and type of nonconformities for each programming language interface tested. "Schema" nonconformities are deficiencies in support for standard schema definition language constructs. "FIPS Flagger" in this column indicates that the mandatory FIPS Flagger requirement of FIPS 127 was not implemented. Refer to the VSR for details. The number of nonconformities is only one limited measure of the quality of an SQL interface. It is more important to analyze the nature of each individual nonconformity and its impact on meeting user requirements.

3.3 Validation Requirements

Refer to Database Language SQL Validation Procedures. The requirements for validation of database language processors are the same as those for programming language processors, listed in section 2.3.1, with several exceptions. Expired VSRs are deleted from the VPL to motivate vendors to test new releases of their SQL processors and to demonstrate conformance to more comprehensive versions of the SQL Test Suite. Information about expired VSRs or vendor self-testing with the SQL Test Suite may be available from the vendor.

3.4 Certificate of Validation

A Certificate of Validation is issued for those SQL processors that have been tested and are considered to be in compliance with FIPS as specified by the FIPS, by the FIRMR, and the associated Federal ADP and Telecommunications Standards Index.

3.5 Registered Report

A Validation Summary Report (VSR) that indicates that the SQL processors did not meet the criteria for a Certificate of Validation may be registered by the Computer Systems Laboratory. A VSR is considered registered by CSL when it contains a signed notice that the VSR will be listed in the CSL Validated Products List (VPL).

3.6 Validation Procedures

SQL processors are tested in accordance with the procedures described in the NIST Database Language SQL Validation Procedures. To request a copy of the validation procedures and/or to request the validation of an SQL processor, contact:

National Institute of Standards and Technology
Computer Systems Laboratory
Software Standards Validation Group
Building 225, Room A266
Gaithersburg, Maryland 20899 (U.S.A.)
Telephone (301) 975-2490 (Voice)
(301) 975-3274 (Voice)
(301) 948-6213 (FAX)
e-mail: dashiell@speckle.ncsl.nist.gov (INTERNET)

3.7 SQL Validation System

To request a copy of the SQL Validation System and/or to submit questions regarding the SQL Validation System, contact:

National Institute of Standards and Technology
Computer Systems Laboratory
Database Languages Group
Building 225, Room A266
Gaithersburg, Maryland 20899 (U.S.A.)
Telephone (301) 975-3258 (Voice)
(301) 975-3263 (Voice)
(301) 948-6213 (FAX)
e-mail: sullivan@ecf.ncsl.nist.gov (INTERNET)

3.8 SQL PROCESSORS

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
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FIPS 127-2: ZERO NONCONFORMITIES

[Entry FIPS 127-2 exceeds requirements for FIPS 127-1 with Integrity Enhancement Option]

Digital Equipment Corporation	DEC Rdb for OpenVMS VAX Version 6.0; NIST-94/7111; 03/31/95; VAXstation 3500; OpenVMS VAX, V. 5.4-3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Module Ada VAX Ada Version 2.3 Embedded C Module C VAX C Version 3.2 Embedded COBOL Module COBOL VAX COBOL Version 5.1 Embedded FORTRAN Module FORTRAN VAX FORTRAN Version 5.8 Embedded PASCAL Module PASCAL VAX Pascal Version 4.4 Interactive SQL (FIPS Default)	VAX 4000 Models 100, 200, 300, 400, 500, 600; VAX 6000 Models 200, 300, 400, 500, 600; VAX 7000 Model 600; VAX 8200, 8250, 8300, 8350, 8500, 8530, 8550, 8598, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; VAX 9000 Models 110, 210, 300, 400; VAX 10000 Model 600; VAXft 3000 Models 110, 310, 410, 610, 612; VAX-11/730, VAX-11/750, VAX-11/780, VAX-11/785; MicroVAX's II, 2000, 3100 Models 10/10E, 20/20E, 30, 40, 80, 90; MicroVAX's 3200, 3300, 3400, 3500, 3600, 3800, 3900; VAXstation's II, 2000, 3100 Models 30, 38, 40, 48, 76; VAXstation's 3200, 3500, 3520, 3540, 4000 Models 60, 90, VLC; VAXservers 3100, 3200, 3300, 3400, 3500, 3600, 3800, 3900, 4000 Models 200, 300, 400, 500, 600, 700; VAXserver 6000 Models 200, 300, 400, 500, 600 Series; VAXservers 8200, 8250, 8300, 8350, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8830, 8840 OpenVMS VAX, Vers. 5.4, 5.5, 6.0 VAX Ada V2.0 - 2.3 VAX C V3.0 - 3.2 VAX COBOL V4.2-4.4 VAX COBOL V5.0-5.1 VAX Fortran V5.0 - 5.9 VAX Pascal V4.0 - 4.4
	DEC Rdb for OpenVMS AXP Version 6.0; NIST-94/7112; 03/31/95; DEC 2000 Model 300; OpenVMS AXP, V. 1.5 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Module Ada DEC Ada for OpenVMS AXP, Version 3.0 Embedded C Module C DEC C for OpenVMS AXP, Version 1.3 Embedded COBOL Module COBOL DEC COBOL for OpenVMS AXP, Version 1.1 Embedded FORTRAN Module FORTRAN DEC FORTRAN for OpenVMS AXP, V.6.1 Embedded PASCAL Module PASCAL DEC Pascal for OpenVMS AXP, Version 5.1 Interactive SQL (FIPS Default)	DEC 2000 Model 300, DEC 3000 Models 300, 400 AXP Workstation, DEC 3000 Model 400 AXP Server, DEC 3000 Model 500 AXP Workstation, DEC 3000 Model 500 AXP Server, DEC 4000 Model 610 AXP System, DEC 7000 Model 610 AXP System, DEC 10000 Model 610 AXP System OpenVMS AXP Ver. 1.5 DEC Ada for OpenVMS AXP V.3.0 DEC C for OpenVMS AXP V. 1.3-1.4 DEC COBOL for OpenVMS AXP V. 1.1-2.0 DEC Fortran for OpenVMS AXP V.6.1-6.2 DEC Pascal for OpenVMS AXP V.5.0-5.1

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Informix Software, Inc.	INFORMIX-OnLine Version AN6.00 Pre-release; NIST-94/7041; 1/1/95; Sun SPARCstation 10; SunOS V.4.1.3_DBE1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C INFORMIX-ESQL/C Version AN 6.00 Native C for SunOS 4.1.3 Embedded COBOL INFORMIX-ESQL/ COBOL Version AN 6.00 Micro Focus COBOL V3.0.54-Be Interactive SQL (FIPS Default) INFORMIX DB-Access Version AN 6.00	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 SunOs V. 4.1.3_DBE1.3
	INFORMIX-OnLine Version NC6.00 Pre-release; Validated by Registration BASE VSR NIST-94/7041; 1/1/95; Hewlett Packard 9000/715; HP-UX A.09.01 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C INFORMIX-ESQL/C Version NC6.00 HP Version A.08.71	HP 9000 Series 635, 645 705, 710, 715/33, 715/50, 720, 725/50, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200, 870/300, 870/400, 877, 887, 890/1, 890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50 HP 9000 HP-UX
	INFORMIX-OnLine Version NC6.00 Pre-release; Validated by Registration BASE VSR NIST-94/7041; 1/1/95; IBM RS6000 POWER-server 360; AIX 3.2 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C INFORMIX-ESQL/C Version NC6.00 HP Version A.08.71	RISC System/6000 POWERstation/ POWERserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 570, 580, 58H, 590, 730, RISC System/6000 POWERserver 25S, 930, 950, 970, 990
Ingres, An ASK Company	OpenINGRES SQL, Release 1.0, Intelligent Database; NIST-94/7121; 5/31/95; SUN SparcStation10; SunOS Version 4.1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada SUN Ada, Version 1.0 Embedded C SUN C Version 2.0.1 Embedded FORTRAN SUN Fortran Version 2.0.1	ESQL/Ada, Rel. 1.0 ESQL/C Rel. 1.0 ESQL/FORTRAN Rel. 1.0

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>OpenINGRES SQL, Release 1.0, Intelligent Database; NIST-94/7122; 5/31/95;</p> <p>DEC VAXstation 3100, Model 38; VAX/VMS Version 5.5</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Embedded Ada VAX Ada, V. 3.0.7 Embedded C VAC C, V. 3.2-044 Embedded FORTRAN VAX Fortran, V. 6.0-1</p>	<p>ESQL/Ada, Rel 1.0 ESQL/C, Rel. 1.0 ESQL/FORTRAN, Rel. 1.0</p>
	<p>OpenINGRES SQL, Release 1.0, Intelligent Database; NIST-94/7123; 5/31/95;</p> <p>IBM RISC System 6000, Model 530; IBM AIX for RISC System 6000 Version 3.2</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Embedded Ada Verdix Ada, V. 6.1 Embedded C IBM XL C Compiler V. 1.2 Embedded FORTRAN IBM XL FORTRAN Compiler V. 2.3</p>	<p>ESQL/Ada Rel. 1.0 ESQL/C Rel. 1.0 ESQL/FORTRAN Rel. 1.0</p>
Oracle Corporation	<p>ORACLE7, Release 7.1 (Beta) Pre-release; NIST-93/7521; 11/1/94;</p> <p>SUN SPARCstation 10; SunOS Version 4.1.3</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Embedded C Pro*C, Version 1.6 Native C, bundled with SunOS Version 4.1.3</p>	
	<p>ORACLE7, Release 7.1 (Beta) Pre-release; NIST-93/7522; 11/1/94;</p> <p>SUN SPARCstation 10; SunOS Version 4.1.3</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Embedded C Pro*C, V. 2.0 Native C, bundled with SunOS Version 4.1.3</p>	

SQL PROCESSORS, *Continued*

SQL -
Certificate

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	ORACLE7, Release 7.1 (Beta) Pre-release; NIST-93/7523; 11/1/94; SUN SPARCstation 10; SunOS Version 4.1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Pro*Ada, V. 1.6 Verdix Ada Development System (VADS) SUN Ada, V. 1.1	
	ORACLE7, Release 7.1; NIST-94/7141; 6/30/95; SUN SPARCstation 10; SunOS V. 5.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C Pro*C, V. 1.6 SPARCompiler C Rel. 3.0	
	ORACLE7, Release 7.1; NIST-94/7142; 6/30/95; Sequent 2000/700; DYNIX/ptx V. 2.1 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C Pro*C, V. 1.6, 2.0 DYNIX/ptx Native C	
	ORACLE7, Release 7.1; NIST-94/7143; 6/30/95; SUN SPARCstation 10; SunOS Version 4.1.3 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Module C SQL*Module for C Version 1.0 SunOS V. 4.1.3 SPARCompiler C Rel. 3.0	
Sybase, Inc.	Sybase System 10 Pre-release 10.0.1; NIST-94/7061; 1/1/95; Client: Sun 4/690 SunOS Version 4.1.2 Server: Sun 4/690 SunOS Version 4.1.2 Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Schema Processor Interactive SQL (isql) Release 10.0.1 Embedded C Sybase System 10 Embedded SQL/C pre-release 10.0.1 gcc version 2.3.1	

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>Sybase System 10 GA Release 10.0.1; NIST-94/7131; 4/30/95;</p> <p>Client: Sun 4/25 SunOS V. 4.1.3 Server: Sun 4/25 SunOS V. 4.1.3</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Schema Processor Interactive SQL (isql) Release 10.0.1 Embedded C Sybase System 10 Embedded SQL/C GA 10.0.1 gcc version 2.3.1</p>	
FIPS 127-1 ZERO CONFORMITIES			
Cincom Systems, Inc.	<p>SUPRA Server, Version 3.2 Pre-release; NIST-93/7481; 12/1/94;</p> <p>SUN SPARCstation 2; SunOS Release 4.1.1</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded SQL C SUPRA C Precompiler V. 3.2 Pre-release C bundled with SunOS Release 4.1.1 Embedded SQL COBOL SUPRA COBOL Precompiler V. 3.2 Pre-release SUN COBOL V. 1.0 Interactive SQL SUPRA I/SQL V. 3.2 Pre-release</p>	
	<p>SUPRA Server, Version 3.2 Pre-release; NIST-93/7482; 12/1/94;</p> <p>SUN SPARCstation 2; SunOS Release 4.1.1</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded SQL Ada SUPRA Ada Precompiler, V. 3.2 Pre-release SUN Ada V. 1.1</p>	
Digital Equipment Corporation	<p>VAX Rdb/VMS Version 4.1; NIST-92/7351; 10/01/95;</p> <p>VAXstation 3500 and VAX 8800; VAX/VMS V. 5.4-3</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded Ada Module Ada VAX Ada V. 2.2 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)</p>	<p>VAX, MicroVAX, and VAXstation VMS V. 5.0-5.4-3 VAX Ada V2.0-2.2 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2</p>

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	VAX Rdb/VMS Version 4.1; NIST-92/7352; 10/01/95;	Embedded Ada Module Ada VAX Ada V. 2.1 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.5-2 VAX Ada V2.0-2.1 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2
	VAXstation 4000 Cluster; VAX/VMS V. 5.5-2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	VAX Rdb/VMS Version 4.2; NIST-92/7353; 10/01/95;	Embedded Ada Module Ada VAX Ada V. 2.2 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.4-3 VAX Ada V2.0-2.2 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2
	VAXstation 3500 and VAX 8800; VAX/VMS V. 5.4-3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	VAX Rdb/VMS Version 4.2; NIST-92/7354; 10/01/95;	Embedded Ada Module Ada VAX Ada V. 2.1 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.5-2 VAX Ada V2.0-2.1 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2
	VAXstation 4000 Cluster; VAX/VMS V. 5.5-2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
IBM Corporation	Database 2 (DB2) Version 3; NIST-93/7441; 8/1/94; IBM ES90009021-720; MVS/ESA SP Version 4 Release 1 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C IBM C/370 V.2 Rel.1 Embedded COBOL IBM SAA AD/CYCLE COBOL/370 V.1 Rel.1 Embedded Fortran IBM VS FORTRAN V.2 Rel.5	
Informix Software Inc.	INFORMIX-OnLine/ Secure Version 5.00; NIST-93/7301; 12/1/95; RDI BriteLite IPX Laptop; Solaris 2.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/ SAME V.5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C V. 5.00 Sun ANSI C V. 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun4c sparc Solaris 2.1
	INFORMIX-OnLine/ Secure Version 5.00; NIST-93/7302; 12/1/95; Sun SPARCstation 10, Model 30; Solaris 2.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C V. 5.00 Sun ANSI C V.2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access V. 5.00	Sun4m sparc Solaris 2.1
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7303; 12/1/95; Sun SPARCstation 10, Model 41; Solaris 2.1 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C V. 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun4m sparc Solaris 2.1

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7304; 12/1/95;</p> <p>Sun SPARCstation 10, Model 42; Solaris 2.1</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C V.2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00</p>	<p>Sun4m sparc Solaris 2.1</p>
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7305; 12/1/95;</p> <p>Sun SPARCstation 4/30; Solaris 2.1</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0</p> <p>Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C V. 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00</p>	<p>Sun4m sparc Solaris 2.1</p>
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7306; 12/1/95;</p> <p>Alpha Systems Lab PC Model ASL 486/33; Sun Interactive Unix, V. 3.0.1, Rel. 3.2</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 Verdix VADS System V/386/486 V. 6.1 Embedded C INFORMIX-ESQL/C Version 5.00 Interactive ANSI C Version 3.0 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00</p>	<p>Intel 486 Sun Interactive Unix, V. 3.0.1, Rel. 3.2</p>
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7307; 12/1/95;</p> <p>Hewlett-Packard 9000 Series 800 Model 867; HP BLS A.08.08</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, V. A.05.35 Embedded C INFORMIX-ESQL/C Version 5.00 HP C V. A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00</p>	<p>HP9000 Series 800, Series 700 HP BLS A.08.08-09</p>

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7308; 12/1/95; Hewlett-Packard 9000 Series 800 Model 827; HP BLS A.08.08 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, V. A.05.35 Embedded C INFORMIX-ESQL/C V. 5.00 HP C V. A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	HP9000 Series 800, Series 700 HP BLS A.08.08-09
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7309; 12/1/95; Hewlett-Packard 9000 Series 800 Model 807; HP BLS A.08.08 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, V. A.05.35 Embedded C INFORMIX-ESQL/C V.5.00 HP C V. A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access V.5.00	HP9000 Series 800, Series 700 HP BLS A.08.08-09
	INFORMIX-OnLine Version 5.02; NIST-94/7042; 1/1/95; Sun SPARCstation 10; SunOS Version 4.1.3_DBE1.3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.02 Sun Ada V. 1.10 Embedded C INFORMIX-ESQL/C V.5.02 Native C for SunOS 4.1.3 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.02	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 SunOS V. 4.1.3 SunOs V. 4.1.3_DBE1.3
	INFORMIX-OnLine/Secure-C2 Version 5.00; NIST-94/7048; 1/1/95; INFORMIX-OnLine/Secure-C2 Version DR6.00; NIST-94/7047; 1/1/95; Sun SPARCstation 10 Model 20; Solaris V. 2.3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C INFORMIX-ESQL/C Version 5.00 SPARCCompiler C Version 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 Solaris V. 2.3

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	INFORMIX-OnLine/Secure-C2 Version 5.00; NIST-94/7051; 1/1/95;	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.00 DEC Ada V. 3.1-5	DEC/1000, DEC/2000, DEC/3000, DEC/3000 Models 400 500, DEC 4000, DEC 4000 Models 610, DEC 7000,
	INFORMIX-OnLine/Secure-C2 Version DR6.00; NIST-94/7057; 1/1/95;	Embedded C INFORMIX-ESQL/C Version 5.00 DEC OSF/1 AXP Compiler Driver V.3.11	DEC 7000 Model 610, DEC/10000, DEC/1000 Model 610 OSF/1 V. T2.0
	INFORMIX-OnLine/Secure-B1 Version 5.00; NIST-94/7055; 1/1/95;	Interactive SQL (FIPS Default) INFORMIX DB-Access	
	INFORMIX-OnLine/Secure-B1 Version DR6.00; NIST-94/7059; 1/1/95;		
	DEC 3000; OSF/1 Version T2.0		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	INFORMIX-OnLine Version 5.01; NIST-94/7052; 1/1/95;	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.01 DEC Ada V. 3.1-5	DEC/1000, DEC/2000, DEC/3000, DEC/3000 Models 400 500, DEC 4000, DEC 4000 Model 610, DEC 7000,
	DEC 3000; OSF/1 V. T2.0	Embedded C INFORMIX-ESQL/C Version 5.01 DEC OSF/1 AXP Compiler Driver V. 3.11	DEC 7000 Model 610, DEC/10000, DEC/1000 Model 610 OSF/1 Version T2.0
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Interactive SQL (FIPS Default) INFORMIX DB-Access	

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7081; 1/1/95;	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.00 HP/Alsys Ada/700 Version A.05.35	HP9000 Series 635, 645, 705, 710, 715/ 33, 715/50, 720, 725/50, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827,
	INFORMIX-OnLine/ Secure-C2 V. DR6.00; NIST-94/7087; 1/1/95;	Embedded C INFORMIX-ESQL/C Version 5.00 Hewlett Packard C Version A.08.71	832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/ 200, 870/300, 870/400,
	INFORMIX-OnLine/ Secure-B1 V.5.00; NIST-94/7085; 1/1/95;	Interactive SQL (FIPS Default) INFORMIX DB-Access	877, 887, 890/1, 890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50 HP-UX V. A.08.09
	INFORMIX-OnLine/ Secure-B1 V. DR6.00; NIST-94/7089; 1/1/95;		
	Hewlett Packard 9000/720; HP-UX V. A.08.09		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7091; 1/1/95;	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.00 Verdix VADS IBM RISC System/6000 AIX 3.2 V. 6.1	RISC System/6000 Powerstation/ Powerserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 570, 580, 58H, 590, 730, RISC
	INFORMIX-OnLine/ Secure-C2 V. DR6.00; NIST-94/7098; 1/1/95;	Embedded C INFORMIX-ESQL/C Version 5.00	System/6000 Power- server 25S, 930, 950, 970, 990
	INFORMIX-OnLine/ Secure-B1 V. 5.00; NIST-94/7095; 1/1/95;	IBM AIX XL C Compiler/6000 Version 1.02 Interactive SQL (FIPS Default) INFORMIX DB-Access	AIX Version 3.2 AIXCMW Version 3.2
	INFORMIX-OnLine/ Secure-B1 V. DR6.00; NIST-94/7099; 1/1/95;		
	IBM POWERstation 320; AIXCMW Version 3.2		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		

SQL PROCESSORS, *Continued*

SQL -
Certificate

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Ingres, The ASK Group	ASK INGRES SQL, Rel. 6.5 Pre-release; NIST-93/7501; 10/1/94; SUN SparcStation2; SunOS V. 4.1.3 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Verdix Ada, Version 6.0.3 Embedded C SUN C V. 1.0 Embedded FORTRAN SUN Fortran V. 1.4	ESQL/Verdix Ada, Rel. 6.5 ESQL/C Rel. 6.5 ESQL/FORTRAN Rel.6.5
	ASK INGRES SQL, Rel. 6.5 Pre-release; NIST-93/7502; 10/1/94; VAX 6000-410; VAX/VMS V. 5.5 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada VAX Ada, V. 2.0-18 Embedded C VAX C, V. 3.1-051 Embedded FORTRAN VAX FORTRAN, Version 4.5-219	ESQL/Ada, Rel 6.5 ESQL/C, Rel. 6.5 ESQL/FORTRAN, Rel.6.5
	ASK INGRES SQL, Rel. 6.5 Pre-release; NIST-93/7503; 10/1/94; IBM RISC System 6000, Model 530; IBM AIX for RISC System 6000 V. 3.2.3 Features Tested: Level 2 ANSI Enhancement Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C IBM XL C Compiler Version 1.2 Embedded FORTRAN IBM XL FORTRAN Compiler V. 2.2	ESQL/C Rel. 6.5 ESQL/FORTRAN Rel. 6.5
Oracle Corporation	ORACLE7, Release 7.0; NIST-93/7101; 11/1/95; IBM RISC System 6000 Model 530H; IBM AIX for RISC System/6000, V.3 Rel.2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V.1.5 VADS IBM RISC System/6000, AIX 3.2, VAda 110- 7171, Version 6 Embedded C Pro*C, V. 1.5 IBM XL C Compiler/ 6000, Version 1.2	IBM RISC System 6000 Models 220, 320, 320H, 340, 350, 520, 520H, 540, 550, 560, 730, 930, 950, 970 AIX for RISC System/ 6000, V. 3 Rel. 2

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	ORACLE7, Release 7.0; NIST-93/7102; 11/1/95; NCR 3450; NCR System V Rel. 4 MP- RAS, Rel. 2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C Pro*C, V. 1.5 NCR C Development Toolkit, Rel 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2
	ORACLE7, Release 7.0; NIST-93/7103; 11/1/95; NCR 3550; NCR System V Rel. 4 MP- RAS, Rel. 2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C Pro*C, Ver. 1.5 NCR C Development Toolkit, Rel. 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2
	ORACLE7, Release 7.0; NIST-93/7104; 11/1/95; NCR 3450; NCR System V Rel. 4 MP- RAS, Rel. 2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Ver. 1.5 Verdix Corp. VADS UNIX System V/386, Rel. 4, Version 6.1	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2
	ORACLE7, Release 7.0; NIST-93/7105; 11/1/95; NCR 3550; NCR System V Rel. 4 MP- RAS, Rel. 2 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V. 1.5 Verdix Corp. VADS UNIX System V/386, Rel. 4, V. 6.1	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Trusted ORACLE7, Release 7.0; NIST-93/7106; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, Ver. 1.5 HP C HP 92453-01, Version A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xx HP-UX BLS Rel. 8.08
	Hewlett-Packard 9000/807; HP-UX BLS, V. 8.08		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	Trusted ORACLE7, Release 7.0; NIST-93/7107; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, V. A.05.35 Embedded C Pro*C, V. 1.5 HP C HP 92453-01, V. A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xx HP-UX BLS Rel. 8.08
	Hewlett-Packard 9000/817; HP-UX BLS, V. 8.08		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	Trusted ORACLE7, Release 7.0; NIST-93/7108; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, Version 1.5 HP C HP 92453-01, Version A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xxx HP-UX BLS Rel. 8.08
	Hewlett-Packard 9000/847; HP-UX BLS, V. 8.08		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	Trusted ORACLE7, Release 7.0; NIST-93/7109; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, V. 1.5 HP C HP 92453-01, Version A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xx HP-UX BLS Rel. 8.08
	Hewlett-Packard 9000/867; HP-UX BLS, Version 8.08		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Trusted ORACLE7, Release 7.0; NIST-93/710A; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 AlsyComp_034, Version 5.1 Embedded C Pro*C, V. 1.5 SecureWare CMW+ Version 2.2 Native C	
	Zenith Data Systems Z-Station 433 DEH; SecureWare CMW+, Version 2.2		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	Oracle7, Release 7.0; NIST-94/7021; 1/1/95;	Embedded C Pro*C, Version 1.5 DEC OSF/1 AXP Compiler Driver 3.11 Embedded COBOL Pro*COBOL, V. 1.5 Micro Focus COBOL V3.1 for DEC OSF/1 AXP Embedded FORTRAN Pro*Fortran, V. 1.5 DEC Fortran V. T3.4	DEC 2000, DEC 4000, DEC 6000, DEC 7000 DEC OSF/1 (T2.0-2)
	DEC 3000; DEC OSF/1 (T2.0-2)		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
Praxis International Inc.	Model 204 Advantage/SQL, Version 1 Release 1; NIST-94/7001; 1/1/95;	IBM 9221-170 MVS/ESA Rel. 4.2.2	
	Embedded COBOL; COBOL II V. 1.3.2		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		
	Model 204 Advantage/ SQL, V. 1 Rel. 1; NIST-94/7002; 1/1/95;	IBM 4381-T92 VM/XA Release 2.1	
	Embedded COBOL; COBOL II V. 1.3.2		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		

SQL PROCESSORS, *Continued*

SQL -
Certificate

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Progress Software Corporation	Progress ESQL, Version 7 SDK; NIST-93/7421; 11/1/94; SUN SPARCstation ELC; SunOS Version 4.1.2 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger Progress ESQL Version 7 SDK; NIST-93/7422; 11/1/94; BBC 486; SCO UNIX System V/386 V. 3.2 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger Progress ESQL Version 7 SDK; NIST-93/7423; 11/1/94; BBC 486; MS-DOS V. 5.0 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C Native C, bundled with SunOS V. 4.1.2 Embedded C Microsoft C for UNIX Version 6 Embedded C Microsoft C/C++ Version 7	
Sybase, Inc.	Sybase System 10/ Beta Version Pre-release; NIST-93/7061; 9/1/94; HP 9000/I 40; HP-UX 9.0 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10 Embedded C System 10 Beta Version cc bundled with HP-UX 9.0 Operating System	HP 9000/H 30 HP-UX 9.0

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>Sybase System 10 Version 10.0; NIST-93/7062; 10/1/94;</p> <p>Client: NCR 3550 NCR OS V. 2.00.02 Server: NCR 3550 NCR OS V. 2.00.02</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 Metaware High C Release 2.3 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL V. 3.0 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>NCR 3000 Series NCR SVR 4 2.x</p>
	<p>Sybase System 10 Version 10.0; NIST-93/7063; 10/1/94;</p> <p>Client: Sun 4/65 Sun Solaris V. 2.2 Server: Sun 4/65 Sun Solaris V. 2.2</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 Sparc Compiler C Version 2.0 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL Compiler 3.1 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>all Sun4, Sparc- station 10, Sparc- server 600 series Sun Solaris 2.2</p>
	<p>Sybase System 10 Version 10.0; NIST-93/7064; 10/1/94;</p> <p>Client: IBM RS/6000 Model 520 IBM AIX Version 3.2 Server: IBM RS/6000 Model 520 IBM AIX V. 3.2</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 Ver 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 IBM AIX XLC V. 1.2 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL Compiler 3.1 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>IBM RS6000 IBM AIX Versions 3.2 & 3.2.4</p>

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>Sybase System 10 Version 10.0; NIST-93/7065; 10/1/94;</p> <p>Client: HP 9000/827 HP-UX A.09.00 Server: HP 9000/827 HP-UX A.09.00</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 HP Native C, HP C A.09.30 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 HP COBOL V. 3.0 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>HP 700 Series, HP 800 Series HP-UX A.09.00</p>
	<p>Sybase System 10 Version 10.0; NIST-93/7066; 10/1/94;</p> <p>Client: Sun Sparcserver 690 SunOS 4.1.3 Server: Sun Sparcserver 690 SunOS 4.1.3</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 GCC V. 2.3.1 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL Compiler V. 3.0 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>all Sun4, Sparc- station 10, Sparc- server 600 series SunOS 4.1.3</p>
	<p>Sybase System 10 Version 10.0; NIST-93/7067; 10/1/94;</p> <p>Client: DEC VAX 6000-450 Vax/VMS 5.4-1 A Server: DEC VAX 6000-450 Vax/VMS 5.4-1 A</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 Vax C V. 3.1 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Vax COBOL V. 5.1 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>all DEC Vax running OS level Vax/VMS 5.4</p>

SQL PROCESSORS, *Continued*

SQL -
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>Sybase System 10 Version 10.0; NIST-93/7068; 10/1/94;</p> <p>Client: DEC 3000 Model 500 OSF/1 Version 1.2 Server: DEC 3000 Model 500 OSF/1 Version 1.2</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 DEC OSF/AXP C 3.11 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>all DEC AXP running OS level below Dec OSF/1 V. 1.2</p>
Unisys Corporation	<p>RDMS 2200, Release Level 6R2 (SB5R2), Pre-release; NIST-93/7461; 12/1/94;</p> <p>2200/444 System; OS 2200 V. SB5R2 (EXEC 44R2) [OS 1100 is renamed OS 2200]</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded C UCS C (UC) V. SB5R2 3.11 Embedded COBOL UCS COBOL (UCOB) Version SB5R2 Module Fortran UCS Fortran (UFTN) Version SB5R2</p>	<p>1100/90, 2200/ 500, 2200/600, 2200/900 OS 2200 V. SB5R2 (EXEC 44R2)</p>
White Cross Systems Ltd.	<p>WHITE CROSS 9000 Release 1.0.0; NIST-93/7251; 12/31/94;</p> <p>Client: Custom- built 80486-based PC MICROSOFT MS-DOS Version 5.00 Server: WHITE CROSS 9000 Model WCS/9010</p> <p>Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults</p>	<p>Embedded C WHITE CROSS 9000 Client Utilities Rel. 1.0.0 MICROSOFT C/C++ Optimizing Compiler Version 7.00 Communications FTP PC/TCP V. 2.05 (over Ethernet)</p>	

SQL PROCESSORS, *Continued*

SQL -
Certificate

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>WHITE CROSS 9000 Release 1.0.0; NIST-93/7252; 12/31/94;</p> <p>Client: NeXTstation NeXTSTEP Release 3.0 Server: WHITE CROSS 9000 Model WCS/9010</p> <p>Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults</p>	<p>Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 NeXTSTEP Objective C Release 3.0 Communications TCP/IP software bundled with OS (over Ethernet)</p>	
	<p>WHITE CROSS 9000 Release 1.0.0; NIST-93/7253; 12/31/94;</p> <p>Client: Custom- built 80486-based PC SCO UNIX SYSTEM V/386 Development System Release 3.2 Server: WHITE CROSS 9000 Model WCS/9010</p> <p>Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults</p>	<p>Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 C Optimizing Compiler V. 5.10 Communications TCP/IP software bundled with OS (over Ethernet)</p>	
	<p>WHITE CROSS 9000 Release 1.0.0; NIST-93/7254; 12/31/94;</p> <p>Client: SPARCstation IPX SunOS Release 4.1.2 Server: WHITE CROSS 9000 Model WCS/9010</p> <p>Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults</p>	<p>Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 SPARCCompiler C V. 2.0.1 Communications TCP/IP software bundled with OS (over Ethernet)</p>	

SQL PROCESSORS, Continued

SQL -
Registered Reports

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES
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FIPS 127-2 - ONE OR MORE NONCONFORMITIES

[Entry FIPS 127-2 exceeds requirements for FIPS 127-1 with Integrity Enhancement Option]

No entries for this quarter.

FIPS 127-1 - ONE OR MORE NONCONFORMITIES

Informix Software, Inc.	INFORMIX-OnLine Version 5.02; NIST-94/7043; 1/1/95;	Embedded COBOL INFORMIX-ESQL/ COBOL V. 5.02 Micro Focus COBOL for UNIX 3.0.54-Be	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000
	Sun SPARCstation 10; SunOS Version 4.1.3_DBE1.3	Embedded Fortran INFORMIX-ESQL/ FORTRAN V.5.02 SPARCCompiler	SunOS V. 4.1.3 SunOs Version 4.1.3_DBE1.3;
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Fortran V. 2.0.1	4 COBOL 1 Fortran
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7082; 1/1/95;	Embedded COBOL INFORMIX-ESQL/ COBOL V. 5.00 ACUCOBOL-85 Version 2.1.2	HP9000 Series 635, 645, 705, 710, 715/33, 715/50, 720, 725/50, 730, 735, 750, 755,
	INFORMIX-OnLine/ Secure-C2 V.DR6.00; NIST-94/7088; 1/1/95;	Embedded Fortran INFORMIX-ESQL/ FORTRAN V.5.00 HP Fortran/9000s 700 V. A.08.07	807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852,
	INFORMIX-OnLine/ Secure-B1 V. 5.00; NIST-94/7086; 1/1/95;		867, 870, 870/ 200, 870/300, 855, 857, 860, 865, 870/400, 877, 887, 890/1,
	INFORMIX-OnLine/ Secure-B1 V.DR6.00; NIST-94/7080; 1/1/95;		890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50
	Hewlett Packard 9000/720 HP-UX; Version A.08.09		HP-UX V. A.08.09;
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		4 COBOL 1 Fortran

SQL PROCESSORS, Continued

SQL -
Registered Reports

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7092; 1/1/95;	Embedded COBOL INFORMIX-ESQL/ COBOL V. 5.00 MicroFocus COBOL for UNIX, Version 3.1.31	RISC System/6000 Powerstation/ Powerserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 570, 580, 58H, 590, 730, RISC
	INFORMIX-OnLine/ Secure-C2 V. DR6.00 NIST-94/7097; 1/1/95;	Embedded Fortran INFORMIX-ESQL/ FORTRAN V. 5.00 IBM AIX XL	System/6000 Powerserver 25S, 930, 950, 970, 990 AIX Version 3.2 AIXCMW V. 3.2;
	INFORMIX-OnLine/ Secure-B1 V. 5.00; NIST-94/7096; 1/1/95;	Fortran Compiler/ 6000 V. 2.03.0	
	INFORMIX-OnLine/ Secure-B1 V. DR6.00; NIST-94/7090; 1/1/95;		4 COBOL 1 Fortran
	IBM POWERstation 320; AIXCMW Version 3.2		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
Software AG	ADABAS SQL Server Version 1.1; NIST-93/7201; 12/31/94;	Embedded C ADABAS V. 1.2 HP C V. A.08.17	10 C
	HP 9000/817; HP/UX A.08.02		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		
	ADABAS SQL Server Version 1.1; NIST-93/7202; 12/31/94;	Embedded COBOL ADABAS V. 1.2 HP Micro Focus COBOL/2, V. 1.1 Rev. 002	10 COBOL
	HP 9000/817; HP/UX A.08.02		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		

SQL PROCESSORS, *Continued*

SQL -
Registered Reports

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES
	ADABAS SQL Server Version 1.1; NIST-93/7203; 12/31/94;	Embedded COBOL ADABAS V. 5.3 COBOL II, V.3.2	10 COBOL
	Hitachi HDS/EX90; MVS/ESA V. 4.2.2		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		

4. GRAPHICS CONFORMANCE TESTING

4.1 FIPS GKS Standard

The Graphical Kernel System (GKS) is a two-dimensional graphics tool box which provides for the display and manipulation of pictures and graphical input from the operator. The purpose of GKS is to promote portability of graphics applications for use on a variety of graphics workstations. It provides a functional interface between an application program and a configuration of graphical devices. The interface is at such a level of abstraction that hardware peculiarities are shielded from the application program.

FIPS PUB 120-1, GKS, is the first Federal Information Processing Standard Publication (FIPS PUB) registered for computer graphics systems. In accordance with FIPS PUB 120-1, two-dimensional graphics toolbox packages acquired for Federal use after November 3, 1986 should implement FIPS GKS. Conformance testing of GKS implementations protects Federal investment by ensuring adherence to the graphics standard. FIPS PUB 120-1 requires that GKS implementations offered to Federal agencies be tested using the NIST Test Suite to ensure that a particular implementation meets the specifications of the FIPS. The GKS Validation Test Suite (Fortran) is available from:

Ms. Susan Sherrick
National Institute of Standards and Technology
Building 225, Room A266
Gaithersburg, MD 20899
(301) 975-3268

4.1.1 Organization of GKS Entries

The entries in the VPL for GKS implementations are presented as follows:

- The VENDOR ID column contains the name of the Vendor of the implementation.
- The GKS NAME column contains the name of the implementation, its version number, the VSR number, and the Expiry date of the certificate of validation.
- The HARDWARE & OP. SYSTEM column presents the hardware and operating system environment used during the validation.
- The GRAPHICS DEVICES column includes the graphics devices that were validated.
- The GKS LEVEL column indicates the level of GKS that was validated.
- The entries in the OTHER HW/OS column include other hardware and operating system environments in which the processor operates.
- The NONCONFORMITIES column indicates whether or not the GKS implementation conforms to the applicable FIPS in one or more cases as evidenced by the validation. The VSR should be reviewed for details of the nonconformities.

4.2 FIPS PHIGS Standard

PHIGS stands for Programmer's Hierarchical Interactive Graphics System. PHIGS is a system for interactive 3-dimensional (3D) graphics applications that provides programmers with a set of features enabling them to manipulate and display complex 3D objects. It is called hierarchical because the complex objects can be built up from simpler objects. PHIGS also provides a rich set of facilities for real-time interaction with the user. While it borrows many concepts from the Graphical Kernel System (GKS) standard, it also introduces many new features, such as a "graphics data base" (the centralized structure store), and support for modeling and viewing.

In accordance with FIPS PUB 153, (PHIGS), 3D graphics packages acquired for Federal use should implement FIPS PHIGS. Conformance testing of PHIGS implementations protects Federal investment by ensuring adherence to the graphics standard. FIPS PUB 153 requires that PHIGS implementations offered to Federal agencies be tested using the NIST PVT (PHIGS Validation Tests) test suite. The test suite ensures that a particular implementation meets the specifications set forth in the FIPS. The PHIGS PVT test suite is available from:

Project Leader, PHIGS Validation Tests
National Institute of Standards and Technology
Computer Systems Laboratory
Bldg. 225, Room A-266
Gaithersburg, MD 20899
phone: (301) 975-3265
e-mail: phigs@speckle.ncsl.nist.gov

4.2.1 Organization of PHIGS Entries

The entries in the VPL for PHIGS implementations are as follows:

- The **VENDOR** column contains the name of the vendor of the implementation.
- The **PHIGS name** column contains the name of the implementation, its version number, the Validation Summary Report (VSR) number, and the expiry date of the certification of validation.
- The **HARDWARE & OP.SYSTEM** column presents the hardware and operating system environment used during the validation.
- The **GRAPHICS DEVICES** column includes the graphics devices that were validated.
- The entries in the **REGISTERED ENVIRONMENTS HW/OS** column includes registered hardware and operating systems for the implementation tested. The vendor of the implementation has certified that the identified processor, when operating under the environments included in this column, produces the same test results exhibited during the validation. Test results and other information from these environments may be required as evidence for entries to be included in this column.
- The **NONCONFORMITIES** column indicates whether or not the PHIGS implementation conforms to the FIPS in one or more cases as evidenced by the validation. The VSR should be reviewed for more details of the nonconformities.

4.3 FIPS CGM Standards

The FIPS 128-1, Computer Graphics Metafile (CGM) is a data interchange standard for the storage and retrieval of picture information in a device independent manner. The purpose of the CGM is to facilitate the transfer of graphical information among different computer systems, devices and/or applications.

The FIPS 128-1 requires the use of a CGM application profile. In particular, the Military Specification MIL-D-28003A, commonly known as the CALS CGM profile, is required for Federal government applications when the representation of graphical information in digital form is to be used in technical illustrations and publications, or when the use of a general-purpose, graphical interchange mechanism is required.

NIST offers two CGM Test Services: metafile testing and generator testing. The purpose of the Test Services is to determine the degree to which the metafile or CGM generator conforms to the FIPS 128-1 and the CALS profile. Presently, the Test Service addresses only CGM Version 1.

4.3.1 CGM Test Labs and Test Suite

CGM Validation Testing is available from the National Institute of Standards and Technology through its Computer Systems Laboratory (NIST/CSL).

National Institute of Standards and Technology
CGM Test Service
Building 225, Room A266
Gaithersburg, MD 20899
(301) 975-3265

The CGM Validation Test Software is based on CTS/Metacheck, version 2.10 and is available for purchase from

CGM Technology Software
1527 Route 12, Box 648
Gales Ferry, CT 06335
(203) 464-2623

4.3.2 Certificate of Validation

For metafile testings, a certificate of validation is issued for those CGM files that have been tested and are in compliance with the FIPS 128-1 and MIL-D-28003A. Conformance of a metafile does NOT necessarily imply conformance of the CGM generator, CGM interpreter, or other CGMs created on the same hardware and software platform.

For generator testing, a certificate of validation is issued for a CGM generator that has been tested and is in compliance with the FIPS 128-1 and MIL-D-28003A.

4.3.3 Validated Metafiles

The metafiles presented in Section 4.6 have been tested for conformity with FIPS PUB 128 or MIL-D-28003. Each entry in the VPL is a very limited extract from the Validation Summary Report (VSR) available from NIST/CSL.

4.4 Raster Graphics Standards

FIPS PUB 150 adopts EIA-538 which defines the facsimile coding schemes and their control functions for Group 4 facsimile apparatus, i.e., ITU-T (formerly CCITT) Recommendation T.6. It defines a standard compression algorithm (T.6 - Group 4) suitable for the storage, retrieval, and interchange of raster graphics images.

Military Specification MIL-R-28002 specifies the structure and encoding of raster data files to be delivered to the government. It specifies the use of the standard compression algorithm defined in FIPS PUB 150. It also specifies the use of standard file headers which are defined in MIL-STD-1840. MIL-STD-1840 standardizes the format and structure of digital technical data files for the purpose of interchange between organizations or systems.

4.4.1 Certificate of Validation

The Raster Graphics Validation Test Service tests an implementation's capability of both receiving and generating raster graphics data conforming to the specifications in FIPS PUB 150 and MIL-R-28002.

A certificate of validation is issued for an implementation that passes the validation test and conforms to FIPS PUB 150 and MIL-R-28002.

4.4.2 Information Pack

Upon request, a Raster Graphics Validation Test Information Pack is available from:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
Raster Graphics Validation Test Service
Technology Building, Room A266
Gaithersburg, MD 20899
Telephone (301) 975-3265

4.5 GKS IMPLEMENTATIONS

GKS -

VENDOR	GKS NAME; EXPIRY DATE; VSR #; LEVEL	HARDWARE; OPERATING SYSTEM	GRAPHICS DEVICES; REGISTERED ENVIRONMENTS
Advanced Technology Center	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/967; Level 2c	NCR 3450; Unix System V Release 4	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/968; Level 2c	NCR 3550; Unix System V Release 4	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/969; Level 2c	IBM RS6000 Model 220; AIX 3.2	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/970; Level 2c	IBM RS6000 Model 530H; AIX 3.2	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/971; Level 2c	HP-9000/817; HP-UX 8.08	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/972; Level 2c	HP-9000/827; HP-UX 8.02	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAK-GKS Release 4.0; 12/1/94; NIST/NCC-92/974; Level 2c	Sun Sparcstation 1; Solaris 2.1	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);

4.6 COMPUTER GRAPHICS METAFILES

CGM

CLIENT	VSR # & DATE; #CGM Submitted/Conforming	CGM/SIZE/DATE; GENERATOR	PLATFORM (As reported by Vendor)
Interleaf, Inc El Segundo, CA	NIST-M-92/003-001 9/2/92; 1/1	asg.cgm 8880 8/31/92; Interleaf Inc MDL/G	Interleaf 5 v5.3, HP9000/700, HP UX v8.07
IBM Corporation Federal Sector Division Oswego, NY	NIST-M-92/005-002 10/28/92; 5/5	gcgm_i220.cgm 5280 10/27/92; GRAFPK-CGM 1.1.2	IBM RS6000 Model 220, AIX 3.2
		gcgm_i530.cgm 5280 10/27/92; GRAFPK-CGM 1.1.2	IBM RS6000 Model 530, AIX 3.2
		gcgm_n345.cgm 5280 10/27/92; GRAFPK-CGM 1.1.2	NCR 3450, NCR UNIX SVR4
		gcgm_n355.cgm 5280 10/27/92; GRAFPK-CGM 1.1.2	NCR 3550, NCR UNIX SVR4
		gks_i530.cgm 23680 10/27/92; GRAFPK-GKS 4.0	IBM RS6000 Model 530, AIX 3.2
ESRI Boulder CO	NIST-M-93/006-003 1/26/93; 5/5	sun.cgm 181680 1/19/93; ARC/INFO	SUN SparcStation, Sun OS 4.1.3
		ibm.cgm 181680 1/19/93; ARC/INFO	IBM RS6000, AIX 3.2
		dg.cgm 181680 1/19/93; ARC/INFO	Data General AViiON, DG/UX 5.4.1
		dec.cgm 181680 1/19/93; ARC/INFO	DecStation 5000, ULTRIX 4.2a
		sgi.cgm 181680 1/19/93; ARC/INFO	Silicon Graphics Indigo, IRIX 4.0.2
EDS Herndon, VA	NIST-M-93/007-004 1/29/93; 3/3	demo5.cgm 13280 1/28/93; GRAFPK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1
		demo7.cgm 5360 1/28/93; GRAFPK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1
		demo8.cgm 3840 1/28/93; GRAFPK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1

4.7 PHIGS APPLICATIONS

No entries at this time.

5. U.S. GOSIP TESTING PROGRAM REGISTER DATABASE SYSTEM (GRD)

5.1 Description

The United States Government Open Systems Interconnection Profile (GOSIP) Testing Program was defined to assist Federal Agencies in assuring conformance to the GOSIP Standard. Testing for conformance to the Open Systems Interconnection (OSI) standards and for interoperability with other OSI implementations is available.

NISTIR 4594, "GOSIP Conformance and Interoperation Testing and Registration" establishes the framework for the establishment of registers for Test Suites, Test Systems (Means of Testing), Conformance Testing Laboratories, and Interoperability Testing Services.

5.2 U.S. GOSIP Register Database (GRD)

The U.S. GOSIP Register Database (GRD) is an online database facility developed by NIST. It provides up-to-date reference information for the following list of registers:

1. U.S. GOSIP Abstract Test Suites (ATS).
2. Assessed Means of Testing (MOT).
3. NVLAP Accredited Test Laboratories.
4. Conformance Tested GOSIP Products.
5. Interoperability Test Suites (ITS) for OSI Products.
6. Reference Entities for Means of Testing Assessment(s).
7. Interworking GOSIP Products.
8. Interoperability Test and Registration Services.

5.3 How To Access the GOSIP Register Database (GRD)

The GOSIP register files available for downloading are now located a different host. These files are available via anonymous ftp over the internet from:

Host Name: huachuca-jitcosi
IP Address: 138.27.7.2

Files are available in both ASCII (.ask) and WordPerfect 5.1 (.w51) formats. Just login with "anonymous" and use your internet address for the password. For .w51 files, binary transfer is required.

For any questions, problems or comments dealing with the GRD or the U.S. GOSIP Testing Program please contact:

Ken Thomas
Joint Interoperability Test Center - TCBB
Fort Huachuca, AZ 85613-7020
(602) 538-5170
e-mail: C3A-TCB@huachuca-EMH2.army.mil

5.4 GOSIP REGISTERS

5.4.1 REGISTER OF CONFORMANCE TESTING LABORATORIES

Conformance testing laboratories for the U.S. GOSIP Testing Program are listed here. All registered laboratories are deemed qualified to conduct conformance testing for U.S. GOSIP, for the test method identified.

Lab Code: 0354

Lab: Control Data Corporation, OSI Accredited Test Center
4201 North Lexington Avenue
Arden Hills, MN 55126-6198

Contact: Ronald D Swan
Tel: (612) 482-6257
Fax: (612) 482-3616

Scope of Registration:

X.400-1984 MHS: P2/P1/RTS/(Session), CCITT X.400-1988
MHS: P2/P1/RTSE/ACSE/Presentation(Session), TP4, TP2/
TP0, CLNP, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0355

Lab: Bull HN Conformance Test Center
13430 N Black Canyon Hwy, P.O. Box 8000
Phoenix, AZ 85029

Contact: Oscar V Hefner
Tel: (602) 862-6001
Fax: (602) 862-6051

Scope of Registration:

FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/
RTS/(Session), CCITT X.400-1988 MHS: P2/P1/RTSE/ACSE/
Presentation(Session), TP4, TP2/TP0, CLNP, X.25:PLP/HDLC

Type of Lab: LAP-B
Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0357

Lab: National Computing Centre Limited
Oxford Road
Manchester M17ED
United Kingdom

Contact: A. E. J. Pink
Tel: +44 61 228 633
Fax: +44 61 236 4715

Scope of Registration:

FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/
P1/RTS/(Session), CCITT X.400-1988 MHS: P2/P1/RTSE/
ACSE/Presentation(Session), Session, TP4, TP2/TP0, CLNP

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0362

Lab: Digital Equipment Corporation, OSI Conformance
Interoperability Test Center
550 King Street, MS LKG2A-R05
Littleton, MA 01460-1289

Contact: Richard A Duhamel
Tel: (508) 486-5021
Fax: (508) 486-7417

Scope of Registration:

FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/
P1/RTS/(Session), TP4, TP2/TP0, CLNP, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0363

Lab: Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Contact: Andrea Reitzel
Tel: (703) 205-2809
Fax: (703) 846-8590

Scope of Registration:

FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/
RTS/(Session), TP4, TP2/TP0, CLNP, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

GOSIP REGISTERS, *Continued*

Lab Code: 0364

Lab: CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Contact: Kevin P Murray
Tel: (703) 821-1858
Fax: (703) 821-9859

Scope of Registration:
FTAM/ACSE/Presentation/(Session), X.400-1984 MHS: P2/
P1/RTS/(Session), TP4, TP2/TP0, CLNP, X.25: PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0365

Lab: Hewlett-Packard Company, OSI Conformance Test Center
19420 Homestead Road, MS 43UJ
Cupertino, CA 95014-9810

Contact: Murali Subbarao
Tel: (408) 447-2822
Fax: (408) 447-2697

Scope of Registration:
FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/
P1/RTS(Session), Session, TP4, TP2/TP0, CLNP

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0367

Lab: UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Contact: Andrew Kalish
Tel: (215) 993-7044
Fax: (215) 993-7425

Scope of Registration:
FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/
P1/RTS/(Session), TP4, TP2/TP0, CLNP, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0370

Lab: Conformance Expert Center for OSI Bull - CECOB
Rue Jean Jaures, B.P. 68
78430 Les Clayes/Bois France

Contact: Gerard Vanderschooten
Tel: +33 1 30 80 68 11
Fax: +33 1 3080 7879

Scope of Registration: X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-OCT-94

Lab Code: 0371

Lab: Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Scott M Schmitz
Tel: (510) 484-5764
Fax: (510) 484-4078

Scope of Registration:
FTAM/ACSE/Presentation, X.400-1984 MHS: P2/P1/RTS,
Session, TP4, TP2/TP0, CLNP

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-OCT-94

Lab Code: 0385

Lab: Dept of Defense, Joint Interoperability Test Center
ATTN: TCDBA, Building 57305
Ft. Huachuca, AZ 85613-7020

Contact: Kenneth Thomas
Tel: (602) 538-5170
Fax: (602) 538-4375

Scope of Registration:
FTAM/ACSE/Presentation(Session) X.400-1984 MHS: P2/P1/
RTS/(Session), Session, TP4, TP2/TP0, CLNP, 8802.2/
8802.3, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-APR-94

GOSIP REGISTERS, *Continued*

Lab Code: 0392

Lab: IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy

Contact: Alberto Sinibaldi
Tel: 39 6 5966-2281
Fax: 39 6 5966-2467

Scope of Registration:
FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/
RTS/(Session), Session, TP4, TP2/TP0, CLNP, CCITT X.25:
PLP/HDLC LAP B

Type of Lab: Confmnce

Registration Type: FULL

Registered Until: 01-OCT-94

Lab Code: 0394

Lab: Telecommunications Laboratories Test Center
P.O. Box 71
Chung-Li, 320
Taiwan

Contact: Ching-Sung Lu
Tel: +886 3 424-4377
Fax: +886 3 490-4464
Email:

Scope of Registration:
X.400-1984 MHS: P2/P1/RTS/(Session),
FTAM/ACSE/Presentation
(Session), Session, TP4, TP2/TP0, CLNP

Type of Lab: Confmnce

Registration Type: FULL

Registered Until: 01-OCT-94

5.4.2 REGISTER OF APPROVED US GOSIP MOT VALIDATION LABORATORIES

Lab Code: 0385

Lab: Dept of Defense, Joint Interoperability Test Center
ATTN: TCDBA, Building 57305
Ft. Huachuca, AZ 85613-7020

Contact: Kenneth Thomas
Tel: (602) 538-5170 Fax: (602) 538-4375
email: ThomasK@cc.ims.disa.mil

Type of Lab: MOT Calibration

Register Type: (Full or Provisional): Full

Expires: 01-MAR-96

Scope: FTAM/ACSE/Presentation (Session), Session, TP4, TP2,
TP0, CLNP, 8802-28802-3. X.25 PLP/HDLC, LAP-B, MHS

Comments:

RNE Accrediation Number: 77.90/01

Laboratory Name: ACERLI
5 Voie Verte
92260 Fontenay-aux-Roses
France

Contact: J.P. Baconnet Tel: +33 1 46 38 35 08
Fax: +33 1 46 38 82 05

Type of Lab: MOT Calibration

Register type: Full

Expires: 01-MAR-96

Scope of Registration: FTAM, MMS, 8804-4

Lab Code: N/A 77.90/01

Lab: ACERLI
5 Voie Verte
92260 Fontenay-aux-Ros
France

Contact: J-P Baconnet
Tel: +33 1 46 38 35 08 Fax: +33 1 4638 8205
Email:

Type of Lab: MOT Calib

Register Type: Full

Expires: 01-MAR-96

Scope: &SCOPE

Comments: &COMMENTS

GOSIP REGISTERS, *Continued*

5.4.3 GOSIP Register Database: Conformance Tested Products

Product Code/Type: P-001 WAN Product ID: 173
Supplier: ALCATEL Data Networks, Inc.
12502 Sunrise Valley Drive
Reston, VA 22096
Contact: K. Trumble
Tel: (703) 689-6287 Fax:
Email:
GOSIP Product: TP8000 Network Release 6
Version/Release: Release 6
Release Date: 08-JUN-93
Additional Info:
Registration: FULL, GOSIP Version 2
Date: 19-JUL-93 Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms:
HW: TP8000
OS: Network Release 6
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0090
RS-232C
Underlying Stack: None
Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 174
Supplier: ALCATEL Data Networks, Inc.
12502 Sunrise Valley Drive
Reston, VA 22096

Contact: K. Trumble
Tel: (703) 689-6287 Fax:
Email:

GOSIP Product: TP4900/LPM Network Release 6
Version/Release: Release 6
Release Date: 08-JUN-93
Additional Info:
Registration: FULL, GOSIP Version 2
Date: 19-JUL-93
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0156
HW: TP4900/LPM
OS: Network Release 6

Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: V.35
Underlying Stack: None
Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 175
Supplier: ALCATEL Data Networks, Inc.
12502 Sunrise Valley Drive
Reston, VA 22096
Contact: K. Trumble
Tel: (703) 689-6287 Fax:
Email:

GOSIP Product: TP4900/TCP/CF Network Release 6
Version/Release: Release 6
Release Date: 08-JUN-93
Additional Info:
Registration: FULL, GOSIP Version 2
Date: 19-JUL-93
Basis: BASE
Base Products: n/a

Tested Hardware/Operating System Platforms: 0157
HW: TP4900/TCP/CF
OS: Network Release 6

Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: V.35
Underlying Stack: None
Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 1
Supplier: AT & T Computer Systems
307 Middletown - Lincroft Road
Lincroft, NJ 07738

Contact: Reginald Lewis
Tel: (908) 898-6005 Fax: (908) 898-3717
Email:

GOSIP Product: A.T. & T. X.25 Network Interface Product
Version/Release: Release 2.0
Release Date: 01-JAN-91
Additional Info:

Registration: PROV, Grndfthrd, V1->V2
Date: 09-APR-91
Basis: BASE
Base Products: n/a

Tested Hardware/Operating System Platforms: 0001
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: RS-232C, V.35, X.21bis
Underlying Stack: None
Underlying Product:
Protocols and Profiles:
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0363

Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 91
 Supplier: Bull Information Systems Incorporated
 13430 North Black Canyon Highway
 Phoenix, AZ 85029

Contact: Bill George
 Tel: (602) 862-6008 Fax: (602) 862-6105

GOSIP Product: DPX/2 B.O.S. (Stack B)
 Version/Release: Ver B.O.S. 2
 Release Date: 01-OCT-92
 Additional Info:

Registration: PROV, Grndfthrd, V1->V2
 Date: 13-NOV-92
 Basis: BASE
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0084

DPX/2 200 with MTB board, O/S B.O.S. 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0370

Conformance Expert Center for OSI Bull - CECOB

Rue Jean Jaures, B.P. 68

78340 Les Clayes/Bois France

Product Code/Type: P-001 WAN Product ID: 92
 Supplier: Bull Information Systems Incorporated
 13430 North Black Canyon Highway
 Phoenix, AZ 85029

Contact: Bill George
 Tel: (602) 862-6008 Fax: (602) 862-6105

GOSIP Product: DPX/2 B.O.S. (Stack B)
 Version/Release: Ver B.O.S. 2
 Release Date: 01-OCT-92
 Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 13-NOV-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0085

DPX/2 200 with ECP Board, O/S B.O.S. 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0370

Conformance Expert Center for OSI Bull - CECOB

Rue Jean Jaures, B.P. 68

78340 Les Clayes/Bois France

Product Code/Type: P-001 WAN Product ID: 93
 Supplier: Bull Information Systems Incorporated
 13430 North Black Canyon Highway
 Phoenix, AZ 85029

Contact: Bill George
 Tel: (602) 862-6008 Fax: (602) 862-6105

GOSIP Product: DATANET DCP 7500
 Version/Release: DNS Ver 4 U1
 Release Date: 01-JAN-92
 Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 13-NOV-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms:

DCP 7500

O/S DNS Ver 4 Update 1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0370

Conformance Expert Center for OSI Bull - CECOB

Rue Jean Jaures, B.P. 68

78340 Les Clayes/Bois France

Product Code/Type: P-001 WAN Product ID: 176
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: AGS+/3 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:

Registration: FULL, GOSIP Version 2

Date: 02-AUG-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0158

HW: AGS+/3

OS: gs3-k 9.1(30)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 177
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: AGS+/4 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 02-AUG-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0164
 HW: AGS+/4
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-2 AND ATS:2-1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 178
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: CGS/3 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 02-AUG-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms:
 HW: CGS/3
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-2 AND ATS:2-1
 Conformance Lab:
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 179
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: CGS/4 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 02-AUG-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0160
 HW: CGS/4
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-2 AND ATS:2-1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 180
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: IGS/R X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 02-AUG-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0161
 HW: IGS/R
 OS: igs-kr 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-2 AND ATS:2-1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 181
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: MGS/3 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 02-AUG-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0162
 HW: MGS/3
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0090
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-2 AND ATS:2-1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 182
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: MGS/4 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 02-AUG-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0163
 HW: MGS/4
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: RS-232C
 Underlying Stack: None.
 Underlying Product:
 Protocols and Profiles: X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-2 AND ATS:2-1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603
 USA

Product Code/Type: P-001 WAN Product ID: 221
 Supplier: Cisco Systems
 1525 O'Brien Drive P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: CISCO 4000 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 14-MAR-94
 Additional Info: None
 Registration: FULL, GOSIP Version 2
 Date: 24-FEB-94
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0188
 CISCO 4000
 CISCO O/S 9.21
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 & ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 234
 Supplier: Cisco Systems
 1525 O'Brien Drive P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 326-1941 Fax:
 GOSIP Product: CISCO 7000 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 17-JAN-94
 Additional Info: Tested hardware platform is CISCO 7000. Vendor
 claims hardware compatibility as listed.
 Registration: FULL, GOSIP Version 2
 Date: 10-MAR-94
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0197
 H/W: CISCO 7000 & 7010
 O/S: CISCO 9.21
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.35
 Underlying Stack: N/A
 Underlying Product: N/A
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 & ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 236
 Supplier: Cisco Systems
 1525 O'Brien Drive P.O. Box 3075
 Menlo Park, CA 94026-1435

Contact: William Miskovetz
 Tel: (415) 326-1941 Fax:

GOSIP Product: CISCO 3104 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 17-JAN-94
 Additional Info: Tested hardware platform is CISCO 3104. Vendor claims

hardware compatibility as listed.

Registration: FULL, GOSIP Version 2
 Date: 16-MAR-94
 Basis: BASE
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0198
 H/W: CISCO 3101, 3102, & 3104
 O/S: CISCO 9.21

Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.35

Underlying Stack: N/A
 Underlying Product: N/A

Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-1 & ATS:2-2

Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 31

Supplier: Control Data Corporation
 4201 North Lexington Avenue
 Arden Hills, MN 55126-6198

Contact: Ronald Swan
 Tel: (612) 482-6527 Fax: (612) 465-4996

GOSIP Product: CDCNET
 Version/Release: Ver 1.6.1 L780A
 Release Date: 01-MAR-92
 Additional Info:

Registration: PROV, Grndfthrd, V1->V2
 Date: 30-JAN-92
 Basis: BASE
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0046
 CDCNET Device Interface

Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: RS-232C, X.21

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0354
 Control Data Corporation, OSI Accredited Test Center
 4201 North Lexington Avenue
 Arden Hills, MN 55126-6198

Product Code/Type: P-001 WAN Product ID: 40
 Supplier: Data General Corporation
 4400 Computer Drive, MS/D216
 Westborough, MA 01580

Contact: Charles Stakus
 Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: X.25 for AViiON Systems
 Version/Release: Rel 2.20
 Release Date: 01-FEB-92
 Additional Info:

Registration: PROV, Grndfthrd, V1->V2
 Date: 18-FEB-92
 Basis: BASE
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0053
 AViiON 5000/6000 Series
 DG/UX System for AViiON Systems Rev. 5.4.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0363
 Corporation for Open Systems International Test Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 204

Supplier: Data General Corporation
 4400 Computer Drive
 Westboro, MA 01580

Contact: Peter Conway
 Tel: (508) 898-5000 Fax: (508) 898-4212

GOSIP Product: X.25 for AViiON Systems
 Version/Release: Version 2.40
 Release Date: 01-OCT-93
 Additional Info: Vendor claims support of 1988 X.25.

Registration: FULL, GOSIP Version 2
 Date: 29-NOV-93
 Basis: BASE
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0172
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,
 AV8500, AV9000

OS: DG/UX System for AViiON Computers, Revision 5.4R2.10

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0090
 RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS 2-2 and ATS 2-1

Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, Continued

Product Code/Type: P-001 WAN Product ID: 242
 Supplier: Data General Corporation
 4400 Computer Drive
 Westboro, MA 01580
 Contact: Peter Conway
 Tel: (508) 898-5000 Fax: (508) 898-4212
 GOSIP Product: X.25 for AViiON Systems
 Version/Release: Version 3.00
 Release Date: 01-APR-94
 Additional Info: Tested HW platform is AViiON AV8500. Vendor claims HW compatibility as listed and support of 1988 CCITT X.25.
 Registration: FULL, GOSIP Version 2
 Date: 11-APR-94
 Basis: BASE
 Base Products: 242
 Tested Hardware/Operating System Platforms: 0200
 HW: AViiON AV500, AVV4000, AV5000, AV6000, AV7000, AV8000, AV8500, & AV9000
 OS: DG/UX System for AViiON Computers, Revision 5.4R3.00
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 & ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 100
 Supplier: Digital Equipment Corp
 550 King Street
 Littleton, MA 01460-1289
 Contact: Richard Duhamel
 Tel: (508) 486-5021 Fax: (508) 486-7417
 GOSIP Product: VAX Packetnet System Interface for DECnet-VAX (TM)
 Version/Release: Ver 5.4 Extensions
 Release Date: 01-SEP-91
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 26-JAN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0112
 MicroVAX 3800 with DSV11-SA Card
 VMS Ver 5.4
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: X.25 LAP-B/X.21bis
 Underlying Stack: VAX Wide Area Network Device Drivers for DECnet-VAX(TM) Ver 5.4 Extensions
 Underlying Product:
 Protocols and Profiles: 0040
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0362
 Digital Equipment Corporation, OSI Conformance Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 140
 Supplier: Digital Equipment Corp
 550 King Street
 Littleton, MA 01460-1289
 Contact: Richard Duhamel
 Tel: (508) 486-5021 Fax: (508) 486-7417
 GOSIP Product: DEC X.25 for ULTRIX
 Version/Release: Ver 1.0
 Release Date: 01-MAR-93
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 19-MAR-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0131
 MicroVAX/VAXstation 3000 Series
 DEC ULTRIX Ver 4.2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: X.25 LAP-B/X.21bis
 Underlying Stack: DEC Wide Area Device Drivers for ULTRIX Ver 2.0 01-MAR-92
 Underlying Product:
 Protocols and Profiles: 0040
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0362
 Digital Equipment Corporation, OSI Conformance Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 147
 Supplier: Digital Equipment Corp
 550 King Street
 Littleton, MA 01460-1289
 Contact: Richard Duhamel
 Tel: (508) 486-5021 Fax: (508) 486-7417
 GOSIP Product: VAX Wide Area Networks Device Driver for DECnet-VAX (TM)
 (Data Link Layer)
 Version/Release: Ver 5.4 Extensions
 Release Date: 01-SEP-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 26-JAN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0112
 MicroVAX 3800 with DSV11-SA Card
 VMS Ver 5.4
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0070
 X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0070
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0362
 Digital Equipment Corporation, OSI Conformance Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 161
 Supplier: Digital Equipment Corp
 550 King Street
 Littleton, MA 01460-1289

Contact: Richard Duhamel
 Tel: (508) 486-5021 Fax: (508) 486-7417

GOSIP Product: DEC Wide Area Device Drivers for ULTRIX (Data Link Layer)

Version/Release: Ver 2.0
 Release Date: 01-MAR-92
 Additional Info: None

Registration: PROV, Grndfthrd, V1->V2
 Date: 19-MAR-93
 Basis: BASE
 Base Products: n/a

Tested Hardware/Operating System Platforms:
 MicroVAX/VAXstation 3000 Series
 DEC ULTRIX Ver 4.2

Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0070
 X.21bis

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0070

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0362

Digital Equipment Corporation, OSI Conformance
 Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 172
 Supplier: Digital Equipment Corporation
 Imperial Way
 Reading, Berks RG20TE United Kingdom

Contact: Ken Chamberlain

GOSIP Product: DEC Network Integration Server Software (DECNIS)

Version/Release: Ver 2.1
 Release Date: 30-APR-93
 Additional Info:

Registration: FULL, GOSIP Version 2
 Date: 29-JUL-93
 Basis: BASE
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0154
 HW: DECNIS 500, DECNIS 600
 OS: DECNIS V2.1 with embedded OS

Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-1 AND ATS:2-2

Conformance Lab: 0362

Digital Equipment Corporation, OSI Conformance
 Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 208
 Supplier: Eicon Technology Corporation
 2196 - 32nd Avenue (Lachine)
 Montreal, Quebec H8T 3H7 Canada

Contact: Guy Cote

Tel: (514) 631-2592 Fax: (514) 631-3092

GOSIP Product: OSI LAN Gateway #315-379-1 plus GOSIP Upgrade Diskette

Version/Release: Release V3R1

Release Date: 24-SEP-93

Additional Info: Product tested using V.24 to RS-232C adaptor box (not sold with product). Vendor claims software operates across entire line of interface cards.

Registration: FULL, GOSIP Version 2

Date: 17-DEC-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0178

HW: Eicon HSI/PC 1MB #310-052 Synchronous Comm Card/Dell 486 PC

OS: Embedded in product on Comm Card, DOS 5.0 running on PC

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: None

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 and ATS:2-1

Conformance Lab: 0364

CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 47

Supplier: Encore Computing Corporation

6901 West Sunrise Boulevard

Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales

Tel: (305) 587-2900 Fax: (305) 797-5807

GOSIP Product: Encore Infinity 90 Series GPIO I with EnComm X.25 and PAD Version/Release: Rev 3.0

Release Date: 01-JUL-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 24-JUN-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0059

ENCORE Infinity 90 Series GPIO with VME Serial

Synchronous Controller (VSSC) Model 8523-443 UMAX 3.0.7

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 222
Supplier: HEWLETT-PACKARD Company
5 Avenue Raymond Chanas-Eybens
38053 Grenoble Cedex 09 France
Contact: Jean-France Coudeyre
Tel: +33.76.62.56.58 Fax:

GOSIP Product: X.25 Link for HP 9000 Series 800 (3696OA)
Version/Release: X.25 F/W Rev. 8.27
Release Date: 01-NOV-93
Additional Info: Vendor claims that this product is capable of
operating on

all Classes of HP 9000 Series 800

Registration: FULL, GOSIP Version 2
Date: 23-FEB-94
Basis: BASE
Base Products: n/a

Tested Hardware/Operating System Platforms: 0189
H/W: HP9000 Series 800
O/S: HP/UX 9.04

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-1 & ATS:2-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 17
Supplier: Harris Adacom Corporation
16001 Dallas Parkway
Dallas, TX 75248

Contact: Gregory Prynne
Tel: (214) 386-2000 Fax: (214) 386-2524

GOSIP Product: Challenger ES/174-20

Version/Release: Rel 2.1

Release Date: 07-OCT-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 17-OCT-91

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0030

Challenger ES/174-20 Rel 2.1

DTE/DCE Environment

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 18
Supplier: Harris Adacom Corporation
16001 Dallas Parkway
Dallas, TX 75248

Contact: Gregory Prynne
Tel: (214) 386-2000 Fax: (214) 386-2524

GOSIP Product: Challenger ES/174-10

Version/Release: Rel 2.1

Release Date: 07-OCT-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 30-OCT-91

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0031

Challenger ES/174-10 Ver 2.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 19
Supplier: Harris Adacom Corporation
16001 Dallas Parkway
Dallas, TX 75248

Contact: Gregory Prynne
Tel: (214) 386-2000 Fax: (214) 386-2524

GOSIP Product: Challenger ES/174-60

Version/Release: Rel 2.1

Release Date: 07-OCT-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 30-OCT-91

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0032

Challenger ES/174-60 Ver 2.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles:

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 2
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4
 Release Date: 28-JUN-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0003
 Communications Controllers IBM 3745
 MVS/SP
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Ver 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 5
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0002
 Communications Controllers IBM 3745
 MVS/XA
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Ver 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 6
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0006
 Communications Controllers IBM 3745
 VM/XA
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 7
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0005
 Communications Controllers IBM 3745
 VM/SP
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 8
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0009
 Communications Controllers IBM 3720
 MVS/ESA
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 9
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4
 Release Date: 28-JUN-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms:
 Communications Controllers IBM 3745
 MVS/ESA
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 10
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0011
 Communications Controllers IBM 3720
 VM/XA
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 USA

Product Code/Type: P-001 WAN Product ID: 11
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0007
 Communications Controllers IBM 3720
 MVS/XA
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 12
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0008
 Communications Controllers IBM 3720
 MVS/SP
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 14
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM X.25 NCP Packet Switching Interface
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 10-JUL-91 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0010
 Communications Controllers IBM 3720
 VM/SP
 Network Control Program (NCP) V5R4
 System Support Program (SSP) V3R6
 Virtual Telecommunications Access Method (VTAM) Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 15
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM AS/400 X.25 Communication Support Program
 Version/Release: Ver 2 Rel 1
 Release Date: 24-MAY-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 25-SEP-91
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0028
 Processor IBM 9402, 9404
 OS/400 Ver 2 Rel 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol
 Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 16
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM AS/400 X.25 Communication Support Program
 Version/Release: Ver 2 Rel 1
 Release Date: 24-MAY-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 25-SEP-91
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0027
 Processor IBM 9406
 OS/400 Ver 2 Rel 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 45
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM 6611 Network Processor Model 140
 Version/Release: Ver 1.0
 Release Date: 26-JUN-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 25-MAR-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0055
 IBM 6611 Network Processor
 Based on IBM AIX Ver 3.2 for RISC Sys/6000
 IBM Multiprotocol Network Program
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol
 Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 46
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709-2195
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM 6611 Network Processor Model 170
 Version/Release: Ver 1.0
 Release Date: 26-JUN-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 25-MAR-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0055
 IBM 6611 Network Processor
 Based on IBM AIX Ver 3.2 for RISC Sys/6000
 IBM Multiprotocol Network Program
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 39
 Supplier: International Business Machines Corporation
 11400 Burnet Road
 Austin, TX 78758-3493
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN
 Support, IBM 7011, All Models
 Version/Release: Ver 3.2
 Release Date: 28-FEB-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 25-MAR-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0054
 RISC System/6000 Products
 Operating System IBM AIX Version 3.2 For RISC System/6000
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 41
 Supplier: International Business Machines Corporation
 11400 Burnet Road
 Austin, TX 78758-3493
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN Spt,
 for IBM 7012, All Models
 Version/Release: Ver 3.2
 Release Date: 28-FEB-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 25-MAR-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0054
 RISC System/6000 Products
 Operating System IBM AIX Version 3.2 For RISC System/6000
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0002
 V.24 or RS-232C, V.35, X.21bis
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 42
Supplier: International Business Machines Corporation
11400 Burnet Road
Austin, TX 78758-3493
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN
Support, for IBM 7013, All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2
Date: 25-MAR-92
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0054
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None
Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 43
Supplier: International Business Machines Corporation
11400 Burnet Road
Austin, TX 78758-3493
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM AIX FOR RISC SYSTEM/6000, X.25 WAN
SPT, FOR IBM 7015, All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2
Date: 25-MAR-92
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0054
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None
Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 44
Supplier: International Business Machines Corporation
11400 Burnet Road
Austin, TX 78758-3493
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN Spt,
for IBM 7016, All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2
Date: 25-MAR-92
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0054
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0002
V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None
Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 102
Supplier: International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829
Contact: John Streck
Tel: (919) 254-4360 Fax: (919) 254-5410
GOSIP Product: IBM AS/400 X.25
Version/Release: Ver 2 Rel 2
Release Date: 25-SEP-92
Additional Info:
Registration: PROV, Grndfthrd, V1->V2
Date: 13-NOV-92
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0089
AS/400 Model IBM 9404
OS/400 Ver 2 Rel 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0044
RS-232C, V.35
Underlying Stack: None
Underlying Product:
Protocols and Profiles: 0001
X.25 PLP/X.25 LAP-B
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: 0361
IBM Corporation - Networking Systems Protocol Center
200 Silicon Drive, P.O. Box 12195
Research Triangle Park, NC 27709-2195

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 103
 Supplier: International Business Machines Corporation
 3605 Highway 52 North
 Rochester, MN 55901-7829
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM AS/400 X.25 Communication Support
 Version/Release: Ver 2 Rel 2
 Release Date: 26-JUN-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 13-NOV-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0090
 AS/400 Model IBM 9402, 9406
 OS/400 Ver 2 Rel 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 104
 Supplier: International Business Machines Corporation
 3605 Highway 52 North
 Rochester, MN 55901-7829
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: X.25 Network Control Program Packet Switching
 Interface
 Version/Release: Ver 3 Rel 5
 Release Date: 25-SEP-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 13-NOV-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0088
 IBM 3745 Communication Controller
 Network Control Program Ver 6
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol
 Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 125
 Supplier: International Business Machines Corporation
 3605 Highway 52 North
 Rochester, MN 55901-7829
 Contact: John Streck
 Tel: (919) 254-4360 Fax: (919) 254-5410
 GOSIP Product: IBM AS/400 X.25 Communications Support
 Version/Release: Ver 2, Rel 1.1
 Release Date: 26-JUN-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 13-NOV-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0110
 IBM AS/400 Models 9402, 9404, 9406
 OS/400 Ver 2 Rel 1.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 162
 Supplier: International Business Machines Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709
 Contact: Miriam Green
 Tel: (919) 254-6323 Fax:
 GOSIP Product: X.25 Network Control Program Packet Switching
 Interface
 Version/Release: Version 3 Release 6
 Release Date: 30-APR-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 28-MAY-93 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0146
 IBM 3745
 Network Control Program Ver 6 Rel 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0087
 V.24 or RS-232C (X.21bis), V.35
 X.21 switched and non-switched
 ISDN via X.21 (IBM 7820 Terminal Adaptor)
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0074
 X.25 PLP/(X.25 LAP-B)
 X.25 PLP [ISO 8208:1990] {ISO 8208}
 X.25 LAP-B [ISO 7776:1986] {ISO 7776}
 ATS Used: ATS:2-1 and ATS:2-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 183
 Supplier: International Business Machines Corporation
 3605 Highway 52 North
 Rochester, MN 55901-7829
 Contact: Glenn Van Benschoten
 Tel: (507)253-5723 Fax:
 GOSIP Product: AS/400 X.25 Communication Support
 Version/Release: Version 2 Release 3
 Release Date: 05-NOV-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 03-AUG-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0167
 HW: IBM 9402, 9404, 9406
 OS: OS/400 Version 2 Release 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0074
 X.25 PLP/(X.25 LAP-B)
 X.25 PLP [ISO 8208:1990] {ISO 8208}
 X.25 LAP-B [ISO 7776:1986] {ISO 7776}
 ATS Used: ATS:2-2 and ATS:2-1
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 20
 Supplier: MEMOREX TELEX Corporation - Federal Systems
 205 Van Buren Steet, Suite #180
 Herndon, VA 22070

Contact: Kevin Good
 Tel: (703) 318-5600 Fax: (703) 318-7575

GOSIP Product: 1174-60R
 Version/Release: Ver B1.3
 Release Date: 17-OCT-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 30-OCT-91
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0033
 1174-60R Ver B1.3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0005
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 227
 Supplier: International Business Machines Corporation
 South Miami Boulevard P.O. Box 12195
 Research Triangle Park, NC 27709
 Contact: Miriam Green
 Tel: (919) 254-6323 Fax:
 GOSIP Product: X.25 Network Control Program Packet Switching
 Interface
 Version/Release: Version 3 Release 7
 Release Date: 31-MAR-94
 Additional Info: None
 Registration: FULL, GOSIP Version 2
 Date: 23-FEB-94
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0193
 H/W: IBM 3745
 O/S: Network Control Program Version 7 Release 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1A & ATS:2-2A
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 21
 Supplier: MEMOREX TELEX Corporation - Federal Systems
 205 Van Buren Steet, Suite #180
 Herndon, VA 22070

Contact: Kevin Good
 Tel: (703) 318-5600 Fax: (703) 318-7575

GOSIP Product: 1174-90R
 Version/Release: Ver B1.3
 Release Date: 17-OCT-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 30-OCT-91
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0035
 1174-90R Ver B1.3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0005
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 22
Supplier: MEMOREX TELEX Corporation - Federal Systems
205 Van Buren Steet, Suite #180
Herndon, VA 22070

Contact: Kevin Good
Tel: (703) 318-5600 Fax: (703) 318-7575

GOSIP Product: 1174-10R

Version/Release: Ver B1.3

Release Date: 17-OCT-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 30-OCT-91

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0034

1174-10R Ver B1.3

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0005

RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 27

Supplier: McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464

Contact: Steve Cartwright
Tel: (303) 460-9200 Fax:

GOSIP Product: LinkMaster 7100 Model 20R

Version/Release: Rel 3.0

Release Date: 11-NOV-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 17-DEC-91

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0040

LinkMaster 7100 Model 20R

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0006

RS-232C, V.35, X.21

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 28

Supplier: McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464

Contact: Steve Cartwright
Tel: (303) 460-9200 Fax:

GOSIP Product: LinkMaster 7100 Model 90

Version/Release: Rel 3.0

Release Date: 11-NOV-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 29-JAN-92

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0043

LinkMaster 7100 Model 90

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0044

RS-232C, V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 29

Supplier: McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464

Contact: Steve Cartwright
Tel: (303) 460-9200 Fax:

GOSIP Product: LinkMaster 7100 Model 10

Version/Release: Rel 3.0

Release Date: 11-NOV-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 29-JAN-92

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0044

LinkMaster 7100 Model 10

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0006

RS-232C, V.35, X.21

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 30

Supplier: McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464

Contact: Steve Cartwright
Tel: (303) 460-9200 Fax:

GOSIP Product: LinkMaster 7100 Model 60

Version/Release: Rel 3.0

Release Date: 11-NOV-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 29-JAN-92

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0045

LinkMaster 7100 Model 60

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0044

RS-232C, V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 62

Supplier: NCR
9900 Old Grove Road
San Diego, CA 92131

Contact: Wendy Morrison

Tel: (619) 693-5665 Fax: (619) 693-5705

GOSIP Product: NCR System 3000, X.25 Network Services

Version/Release: Release 1.04

Release Date: 01-AUG-92

Additional Info: Packet Layer Protocol Only.

Registration: PROV, Grndfthrd, V1->V2

Date: 09-SEP-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Software Platform: 0063

HW: NCR System 3000 consisting of the following
hardware models: 3320, 3340, 3345, 3447, 3450, 3550, and
3600

OS: NCR UNIX SVR4, (MP-RAS), Rel 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0098

X.25 LAP-B/RS-232C

Underlying Stack: NCR MUOE HDLC, Release 1.04

Underlying Product:

Protocols and Profiles: 0076

X.25 PLP [ISO 8208:1990] {ISO 8208}

ATS Used: ATS:1-2

Conformance Lab: 0363

Corporation for Open Systems International Test Center

8260 Willow Oaks Corp Drive, Suite 700

Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 189

Supplier: NCR
9900 Old Grove Road
San Diego, CA 92131

Contact: Wendy Morrison

Tel: (619) 693-5665 Fax: (619) 693-5705

GOSIP Product: NCR MUOE HDLC

Version/Release: Release 1.04

Release Date: 01-AUG-92

Additional Info: Requires NCR System 3000, X.25 Network Services
product for full X.25 capability.

Registration: PROV, Grndfthrd, V1->V2

Date: 09-SEP-92 Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0063

HW: NCR System 3000 consisting of the following hardware
models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600

OS: NCR UNIX SVR4, (MP-RAS), Rel 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0090

RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0006

X.25 LAP-B [ISO 7776:1986] {ISO 7776}

ATS Used: ATS:1-1

Conformance Lab: 0363

Corporation for Open Systems International Test Center

8260 Willow Oaks Corp Drive, Suite 700

Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 216

Supplier: NCR
2700 Snelling Avenue North
Roseville, MN 55113-1784

Contact: David Loomis

Tel: 612-638-7663 Fax:

GOSIP Product: X.25

Version/Release: Version 2 Release 2

Release Date: 01-DEC-93

Additional Info:

Registration: FULL, GOSIP Version 2

Date: 20-JAN-94

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0183

HW: 5600 Communications Processor Family (5630, 5645, 5655,
5665, 5675) OS: COS2/56, CB1 R2E

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0044

RS-232C, V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-1 and ATS:2-2

Conformance Lab: 0363

Corporation for Open Systems International Test
Center

8260 Willow Oaks Corp Drive, Suite 700

Fairfax, VA 22031

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 64
 Supplier: NETRIX Corporation
 13595 Dulles Technology Drive
 Herndon, VA 22071
 Contact: Ted Ritter
 Tel: (703) 742-6000 Fax: (703) 742-4048
 GOSIP Product: NETRIX #1-ISS GOSIP X.25, GOSIP X.25
 INTERFACE MODULE
 Version/Release: Ver 1.0 Rel 1
 Release Date: 01-SEP-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 06-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0072
 Netrix #1-ISS Series 1.0, Netrix Operating System Rel 2.7
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0005
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 143
 Supplier: NETRIX Corporation
 13595 Dulles Technology Drive
 Herndon, VA 22071
 Contact: Ted Ritter
 Tel: (703) 742-6000 Fax: (703) 742-4048
 GOSIP Product: NETRIX #1-ISS GOSIP X.25, GOSIP X.25
 INTERFACE MODULE
 Version/Release: Ver 1.0 Rel 1
 Release Date: 01-SEP-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 31-MAR-93
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0134
 Netrix #1-ISS Series 1000
 Netrix OS Rel 1.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0005
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 164
 Supplier: NETRIX Corporation
 13595 Dulles Technology Drive
 Herndon, VA 22071

Contact: Ted Ritter
 Tel: (703) 742-6000 Fax: (703) 742-4048

GOSIP Product: Netrix S100 GOSIP X.25 Interface Module 1.0
 Version/Release: Version 1.0
 Release Date: 01-JUN-93
 Additional Info:

Registration: FULL, GOSIP Version 2

Date: 24-JUN-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0147

HW: Netrix Series 100

OS: S100 O/S Rel 2.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0090

RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 and ATS:2-1

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 165
 Supplier: NETRIX Corporation
 13595 Dulles Technology Drive
 Herndon, VA 22071

Contact: Ted Ritter
 Tel: (703) 742-6000 Fax: (703) 742-4048

GOSIP Product: Netrix BRX GOSIP X.25 Interface Module 1.0

Version/Release: Version 1.0

Release Date: 01-JUN-93

Additional Info:

Registration: FULL, GOSIP Version 2

Date: 24-JUN-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0148

H/W BRX Branch Router/Concentrator

O/S BRX O/S Rel 3.3

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0089

V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 and ATS:2-1

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 168
 Supplier: Northern Telecom ATTN: NORTEL Federal Systems
 2010 Corporate Ridge, Suite 800
 McLean, VA 22102
 Contact: Torre Albritton
 Tel: (703) 712-8764 Fax: (703) 712-8982
 GOSIP Product: Magellan DPN-100
 Version/Release: G30S002
 Release Date: 01-JAN-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 08-JUL-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0152
 HW: Magellan DPN-100
 OS: Magellan DPN-100 G30
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0090
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0074
 X.25 PLP/(X.25 LAP-B)
 X.25 PLP [ISO 8208:1990] {ISO 8208}
 X.25 LAP-B [ISO 7776:1986] {ISO 7776}
 ATS Used: ATS:2-2 and ATS:2-1
 Conformance Lab: 0363
 Corporation for Open Systems International Test Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 152
 Supplier: SUN Microsystems, Inc. International Centre for Network
 Computing
 32 Rue du Vieux Chene
 F-38240 Meylan France
 Contact: Tom Hull
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41
 GOSIP Product: SUNLink X.25 8.0 Rev B
 Version/Release: 8.0 Rev B
 Release Date: 01-JUN-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 06-MAY-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0093
 HW: SPARCstation 10 Model 41
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0005
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 and ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 65
 Supplier: SUN Microsystems, Inc. International Centre for Network
 Computing
 32 Rue du Vieux Chene
 F-38240 Meylan France
 Contact: Tom Hull
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41
 GOSIP Product: SUNNet X.25
 Version/Release: Ver 7.0.1 Rel 1
 Release Date: 01-OCT-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 07-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0073
 SUN 4/75
 SUNNet O/S 4.1.2 (Solaris 1.0.1)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0005
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 151
 Supplier: Sync Research, Incorporated
 7 Studebaker
 Irvine, CA 92718
 Contact: Sal Mungo
 Tel: (714) 588-2070 Fax: (714) 588-2080
 GOSIP Product: Network Access Concentrator (NAC) 4000
 Version/Release: Ver 8.150
 Release Date: 31-MAY-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 29-APR-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0141
 Network Access Concentrator (NAC) 4000
 Proprietary
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0080
 V.24, RS-232C, V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 and ATS:2-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol
 Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 153
 Supplier: Sync Research, Incorporated
 7 Studebaker
 Irvine, CA 92718
 Contact: Sal Mungo
 Tel: (714) 588-2070 Fax: (714) 588-2080
 GOSIP Product: SNA Network Access Converter (SNAC) 6000
 Version/Release: Ver 10.010
 Release Date: 30-SEP-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 06-MAY-93
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0142
 Network Access Concentrator (NAC) 4000 SNAC 6000
 Proprietary
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0080
 V.24, RS-232C, V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 and ATS:2-2
 Conformance Lab: 0361
 IBM Corporation - Networking Systems Protocol Center
 200 Silicon Drive, P.O. Box 12195
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 185
 Supplier: Telematics International
 1201 Cypress Creek Road
 Fort Lauderdale, FL 33309

Contact: Terry Rihel
 Tel: (818) 880-4900 Fax: (818) 880-4726

GOSIP Product: ACP50 X25 Version 10.04
 Version/Release: Version 10.04
 Release Date: 30-JUL-93
 Additional Info:
 Registration: FULL, GOSIP Version 2
 Date: 05-AUG-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0165
 HW: ACP50
 OS: N/A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0090
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 and ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 69
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102

Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172

GOSIP Product: X.25 PSCS
 Version/Release: 51RA & PCRs UP TO 1929 INCLUSIVE
 Release Date: 01-OCT-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 19-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0077
 DCP-15, DCP/OS 5R2A, TELCON 9R1A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack: None.
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-001 WAN Product ID: 131
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102

Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172

GOSIP Product: CP2000 X.25 Protocol
 Version/Release: Ver 30.00.192
 Release Date: 30-SEP-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 01-FEB-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0119
 CP2000 with LMH Card, O/S CP2000 Operating Software Ver 3.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0005
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:1-1 and ATS:1-2
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 226
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102
 Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172
 GOSIP Product: USU6100-X25
 Version/Release: Version 5.0.3
 Release Date: 01-DEC-93
 Additional Info: None
 Registration: FULL, GOSIP Version 2
 Date: 24-FEB-94
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0192
 H/W: U6000/100
 O/S: UnixWare Application Server, Version 1.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0090
 RS-232C
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 & ATS:2-2
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-001 WAN Product ID: 200
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Link Node (LN) S/W Version 5.81
 Version/Release: Version 5.81
 Release Date: 24-SEP-93
 Additional Info: The LN System is a stand-alone self contained router.
 Registration: FULL, GOSIP Version 2
 Date: 13-OCT-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 01
 H/W: Link Node (LN) w/ ACE 20 Processor & Dual Sync Dual Ethernet(DSDE) I/O Card
 O/S: Embedded in GOSIP product
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0089
 V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-2 and ATS:2-1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 201
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Access Feeder Node (AFN) S/W Version 5.81
 Version/Release: Version 5.81
 Release Date: 24-SEP-93
 Additional Info: The AFN System is a stand alone self-contained router.
 Registration: FULL, GOSIP Version 2
 Date: 13-OCT-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0175
 H/W: Access Feeder Node (AFN)
 O/S: Embedded in Registered Product
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0089
 V.35
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-2 and ATS:2-1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 244
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Backbone Concentrator Node (BCN) S/W Ver 7.70
 Version/Release: Version 7.70
 Release Date: 24-MAR-94
 Additional Info: Vendor claims CCITT 1988 support.
 Registration: FULL, GOSIP Version 2
 Date: 03-MAY-94
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0202
 Backbone Concentrator Node (BCN)-DSDE & QSYNCR I/O Cards.
 Claimed Compatibility Hardware/Software Platforms: 0203
 Dual Port Ethernet Link Module (DEI) I/O Card
 Quad Port Ethernet Link Module (QENET) I/O Card
 Quad Port Synchronous Link Module (QSYNCR) I/O Card
 Connectivity: 0089
 V.35
 Underlying Stack: None
 Underlying Product: n/a
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 & ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 245
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Link Node (LN) S/W Version 7.70
 Version/Release: Version 7.70 Release Date: 24-MAR-94
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.
 Registration: FULL, GOSIP Version 2
 Date: 17-MAY-94 Basis: DERIVED
 Base Products: 244
 Tested Hardware/Operating System Platforms: 0207
 H/W: Link Node (LN) DSDE I/O Card
 O/S: Embedded in Product
 Claimed Compatibility Hardware/Software Platforms: 0208
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
 O/S: Embedded in product
 Connectivity: 0089
 V.35
 Underlying Stack: None
 Underlying Product: 244
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 & ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 246
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Backbone Link Node (BLN) S/W Version 7.70
 Version/Release: Version 7.70 Release Date: 24-MAR-94
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.
 Registration: FULL, GOSIP Version 2
 Date: 17-MAY-94 Basis: DERIVED
 Base Products: 244
 Tested Hardware/Operating System Platforms: 0209
 H/W: Backbone Link Node (BLN) DSDE I/O Card
 O/S: Embedded in product
 Claimed Compatibility Hardware/Software Platforms: 0208
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
 O/S: Embedded in product
 Connectivity: 0089 V.35
 Underlying Stack: None Underlying Product: 244
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 & ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 247
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Concentrator Node (CN) S/W Version 7.70
 Version/Release: Version 7.70 Release Date: 24-MAR-94
 Additional Info: Vendor claims CCITT 1988 support.
 Registration: FULL, GOSIP Version 2
 Date: 03-MAY-94 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0204
 Concentrator Node (CN)-DSDE I/O Cards
 Claimed Compatibility Hardware/Software Platforms: 0205
 Dual Port Ethernet Link Module (DE) I/O Card
 Quad Port Ethernet Link Module (QENET) I/O Card
 Quad Port Synchronous Link Module (QSYNC) I/O Card
 Connectivity: 0089 V.35
 Underlying Stack: None
 Underlying Product: n/a
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 & ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 248
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Feeder Node (FN) S/W Version 7.70
 Version/Release: Version 7.70
 Release Date: 24-MAR-94
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.
 Registration: FULL, GOSIP Version 2
 Date: 17-MAY-94 Basis: DERIVED
 Base Products: 244
 Tested Hardware/Operating System Platforms: 0210
 H/W: Feeder Node (FN) DSDE I/O Card
 O/S: Embedded in product
 Claimed Compatibility Hardware/Software Platforms: 0208
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
 O/S: Embedded in product
 Connectivity: 0089
 V.35
 Underlying Stack: None
 Underlying Product: 244
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 ATS Used: ATS:2-1 & ATS:2-2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, Continued

Product Code/Type: P-002 LAN Product ID: 37
 Supplier: 3Com Corporation
 5600 Bayfront Plaza, PO Box 58145
 Santa Clara, CA 95052-8145
 Contact: Howard Chan
 Tel: (408) 764-5827 Fax:
 GOSIP Product: Etherlink 16, 3C507
 Version/Release: Rev A
 Release Date: 01-AUG-90
 Additional Info:
 Registration: PROV, GOSIP Version 1
 Date: 14-FEB-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0050
 PC AT 80386, MS DOS 3.3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0027
 PLS{802.3}/10Base5
 Underlying Stack: Information not available
 Underlying Product:
 Protocols and Profiles: 0007
 MAC [ISO 8802-3:1989]
 ATS Used: ATS:1-3
 Conformance Lab: 0363
 Corporation for Open Systems International Test
 Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

Product Code/Type: P-002 LAN Product ID: 3
 Supplier: Bull Information Systems Incorporated
 Technology Park
 Billerica, MA 01821-4199
 Contact: Kenneth Finkenauer
 Tel: (508) 294-2909 Fax:
 GOSIP Product: Local Area Controller Subsystem (LACS)
 Version/Release:
 Release Date:
 Additional Info:
 Registration: PROV, GOSIP Version 1
 Date: 01-APR-91
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0012
 DPS6000/HVS6 Release 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0003
 Not noted.
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0002
 LLC1{802.2}/MAC & PLS{802.3}
 LLC1 [ISO 8802-2:1989]
 MAC [ISO 8802-3:1989]
 PLS [ISO 8802-3:1989]
 ATS Used: ATS:1-3 and ATS:1-6
 Conformance Lab: 0363
 Corporation for Open Systems International Test
 Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

Product Code/Type: P-002 LAN Product ID: 79
 Supplier: Control Data Corporation
 4201 North Lexington Avenue
 Arden Hills, MN 55126-6198
 Contact: Ronald Swan
 Tel: (612) 482-6257 Fax: (612) 482-3616
 GOSIP Product: CDCNET Ethernet Serial Channel Interface
 Version/Release: LLC/MAC 1.7.1, PLS 1.6.1
 Release Date: 01-OCT-92
 Additional Info:
 Registration: PROV, GOSIP Version 1
 Date: 15-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0081
 Device Interface Model #GH120B, Equipment #DY0227-B,
 Product #2608-6 (Stand-alone Machine) O/S None
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0003
 Not noted.
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0002
 LLC1{802.2}/MAC & PLS{802.3}
 LLC1 [ISO 8802-2:1989]
 MAC [ISO 8802-3:1989]
 PLS [ISO 8802-3:1989]
 ATS Used: ATS:1-3 and ATS:1-6
 Conformance Lab: 0363
 Corporation for Open Systems International Test Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

Product Code/Type: P-003 ES-IS Product ID: 167
 Supplier: 3Com Corporation
 5400 Bayfront Plaza
 Santa Clara, CA 95052-8145
 Contact: Mike Ratzlaff
 Tel: (408) 764-6000 Fax: (408) 764-5002
 GOSIP Product: NETBuilder II Extended WAN 3C6242A-GOSIP
 Version/Release: Version 6.1.5
 Release Date: 04-JUN-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 23-JUN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0151
 NETBuilder II (4 or 8 port chassis) with 2 Ethernet Modules
 SW/NB II-WX, V6.1.5
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0093
 Port1: LLC1{802.2}/MAC{802.3}/10Base2
 Port2: LLC1{802.2}/MAC{802.3}/10Base5
 Underlying Stack: NETBuilder II Ethernet Module (Embedded in Product)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0371
 Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101

GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 206
 Supplier: 3Com Corporation
 5400 Bayfront Plaza
 Santa Clara, CA 95052-8145
 Contact: Mike Ratzlaff
 Tel: (408) 764-6000 Fax: (408) 764-5002
 GOSIP Product: NETBuilder II Extended WAN 3C6242A-GOSIP
 Version/Release: Version 6.2
 Release Date: 07-SEP-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 15-DEC-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0177
 HW: NETBuilder II with 2 Ethernet Modules OS: SW/NB II-XW
 Version 6.2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0102
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: LLC1{802.2}/MAC{802.3}/10BaseT
 Underlying Stack: Embedded in product using the NETBuilder II
 Ethernet Module
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 192
 Supplier: Cabletron Systems, Inc.
 35 Industrial Way, P.O. Box 5005
 Rochester, NH 03867-5005
 Contact: Ronald Fotino
 Tel: (603) 337-1769 Fax: (603) 337-1697
 GOSIP Product: CRM-L
 Version/Release: Version 9.1 (3.5)
 Release Date: 01-MAR-93
 Additional Info: The product is a stand-alone system with the O/S
 and I/O functions embedded in the product.
 Registration: PROV, GOSIP Version 2
 Date: 24-SEP-93 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0171
 (1) HW: CRM-L
 (1) OS: CRM-L Version 9.1 (3.5)
 (2) HW: Cisco IGS Router
 (2) OS: CRM-L Version 9.1 (3.5)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0086
 Port 1: LLC1{802.2}/MAC{802.3}/10Base5
 Port 2: LLC1{802.2}/MAC{802.3}/10Base5
 Underlying Stack: Embedded in Product
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0371
 Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 105
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435
 Contact: Alex Tweedley
 Tel: (415) 688-8114 Fax: (415) 688-4575
 GOSIP Product: MGS/3 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 15-OCT-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0162
 HW: MGS/3
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0099
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/RS-232C
 Underlying Stack: WAN: MGS/3 X.25 Version 2.0 LAN: gs3-k
 9.1(30)(LLC) and Lance AMD(MAC)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 127
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435
 Contact: Alex Tweedley
 Tel: (415) 688-8114 Fax: (415) 688-4575
 GOSIP Product: CGS/3 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 15-OCT-93 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0159
 HW: CGS/3
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0101
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: WAN: CGS/3 X.25 Version 2.0 LAN: gs3-k
 9.1(30)(LLC) and
 Lance AMD(MAC)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 190
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435
 Contact: Alex Tweedley
 Tel: (415) 688-8114 Fax: (415) 688-4575
 GOSIP Product: MGS/4 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info: The MGS/4 runs link and packet X.25 plus CLNP on the same board/CPU with the OS.
 Registration: PROV, GOSIP Version 2
 Date: 17-SEP-93 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0163
 HW: MGS/4
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0099
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/RS-232C
 Underlying Stack: WAN: MGS/4 X.25 Version 2.0 LAN: gs3-k 9.1(30)(LLC) and Lance AMD(MAC)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 196
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435
 Contact: Alex Tweedley
 Tel: (415) 688-8114 Fax: (415) 688-4575
 GOSIP Product: AGS+/4 X.25 Version 2.0
 Version/Release: Version 2.0 Release Date: 13-JUL-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 15-OCT-93 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0164
 HW: AGS+/4
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0101
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack:
 WAN: AGS+/4 X.25 Version 2.0 LAN: gs3-k 9.1(30)(LLC) and Lance AMD(MAC)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 197
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435
 Contact: Alex Tweedley
 Tel: (415) 688-8114 Fax: (415) 688-4575
 GOSIP Product: AGS+/3 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 15-OCT-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0158
 HW: AGS+/3
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0101
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: WAN: AGS+/3 X.25 Version 2.0 LAN: gs3-k 9.1(30)(LLC) and Lance AMD(MAC)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 198
 Supplier: Cisco Systems
 1525 O'Brien Drive, P.O. Box 3075
 Menlo Park, CA 94026-1435
 Contact: Alex Tweedley
 Tel: (415) 688-8114 Fax: (415) 688-4575
 GOSIP Product: CGS/4 X.25 Version 2.0
 Version/Release: Version 2.0
 Release Date: 13-JUL-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 15-OCT-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0160
 HW: CGS/4
 OS: gs3-k 9.1(30)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0101
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: WAN: CGS/4 X.25 Version 2.0 LAN: gs3-k 9.1(30)(LLC) and Lance AMD(MAC)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 199

Supplier: Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435

Contact: Alex Tweedley
Tel: (415) 688-8114 Fax: (415) 688-4575

GOSIP Product: IGS/R X.25 Version 2.0

Version/Release: Version 2.0

Release Date: 13-JUL-93

Additional Info:

Registration: PROV, GOSIP Version 2

Date: 15-OCT-93 Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0161

HW: IGS/R

OS: igs-kr 9.1(30)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0101

Port 1: LLC1{802.2}/MAC{802.3}/10BaseT

Port 2: X.25 PLP/X.25 LAP-B/V.35

Underlying Stack: WAN: IGS/R X.25 Version 2.0 LAN: gs3-k
9.1(30)(LLC) and Lance AMD(MAC)

Underlying Product:

Protocols and Profiles: 0071

CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]

{Dynamic Routing Claimed}

ATS Used: ATS:2-7.1

Conformance Lab: 0364

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Product Code/Type: P-003 Intermediate Systems Product ID: 228

Supplier: Cisco Systems

1525 O'Brien Drive P.O. Box 3075

Menlo Park, CA 94026-1435

Contact: Alex Tweedley

Tel: (415) 326-1941 Fax: (415) 688-4575

GOSIP Product: CISCO 4000 X.25 Version 2.0

Version/Release: Version 2.0

Release Date: 14-MAR-94

Additional Info: The CISCO 4000 is a stand-alone product. The
CISCO 4000 contains all software and hardware required for
operation.

Registration: PROV, GOSIP Version 2

Date: 24-FEB-94 Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0194

H/W: CISCO 4000

O/S: CISCO O/S 9.21

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0101

Port 1: LLC1{802.2}/MAC{802.3}/10BaseT

Port 2: X.25 PLP/X.25 LAP-B/V.35

Underlying Stack: WAN: CISCO 4000 X.25 Version 2.0; LAN: CISCO
O/S 9.21(LLC) and Lance AMD(MAC)

Underlying Product:

Protocols and Profiles: 0071

CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]

{Dynamic Routing Claimed}

ATS Used: ATS:2-7.1

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 235

Supplier: Cisco Systems

1525 O'Brien Drive P.O. Box 3075

Menlo Park, CA 94026-1435

Contact: Alex Tweedley

Tel: (415) 326-1941 Fax: (415) 688-4575

Email: agt@cisco.com

GOSIP Product: CISCO 3104 X.25 Version 2.0

Version/Release: Version 2.0 Release Date: 17-JAN-94

Additional Info: Tested hardware platform is CISCO 3104. The
CISCO 3104 is a stand-alone product containing all SW and HW
required for operation. Compatible HW as listed.

Registration: PROV, GOSIP Version 2

Date: 16-MAR-94 Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0198

H/W: CISCO 3101, 3102, & 3104

O/S: CISCO 9.21

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0113

X.25 PLP/X.25 LAP-B/V.35

Underlying Stack: WAN: CISCO 3104 X.25 Version 2.0; LAN: CISCO
O/S 9.21 (LLC) and Lance AMD (MAC)

Underlying Product:

Protocols and Profiles: 0071

CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]

{Dynamic Routing Claimed}

ATS Used: ATS:2-7.1

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 237

Supplier: Cisco Systems

1525 O'Brien Drive P.O. Box 3075

Menlo Park, CA 94026-1435

Contact: Alex Tweedley

Tel: (415) 326-1941 Fax: (415) 688-4575

Email: agt@cisco.com

GOSIP Product: CISCO 7000 X.25 Version 2.0

Version/Release: Version 2.0 Release Date: 17-JAN-94

Additional Info: Tested hardware platform is CISCO 7000. The
CISCO 7000 is a stand-alone product containing all SW and HW
required for operation. Compatible HW as listed.

Registration: PROV, GOSIP Version 2

Date: 10-MAR-94 Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0197

H/W: CISCO 7000 & 7010

O/S: CISCO 9.21

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0113

X.25 PLP/X.25 LAP-B/V.35

Underlying Stack: WAN: CISCO 7000 X.25 Version 2.0; LAN: CISCO
O/S 9.21 (LLC) and SEEQ 8003 (MAC)

Underlying Product:

Protocols and Profiles: 0071

CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]

{Dynamic Routing Claimed}

ATS Used: ATS:2-7.1

Conformance Lab: 0364

CDA, Incorporated

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GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 Intermediate Systems Product ID: 255
 Supplier: Cisco Systems
 1525 O'Brien Drive P.O. Box 3075
 Menlo Park, CA 94026-1435
 Contact: Alex Tweedley
 Tel: (415) 326-1941 Fax: (415) 688-4575
 Email: agt@cisco.com
 GOSIP Product: CISCO 2501 X.25 Version 2.0
 Version/Release: Version 2.0 Release Date: 14-MAR-94
 Additional Info: The CISCO 2501 is a stand-alone product containing all SW and HW required for operation.
 Registration: PROV, GOSIP Version 2
 Date: 25-MAY-94 Basis: BASE
 Base Products: N/A
 Tested Hardware/Operating System Platforms: 0214
 H/W: CISCO 2501
 O/S: CISCO O/S 9.21
 Claimed Compatibility Hardware/Software Platforms: 0215
 H/W: CISCO 2503
 Connectivity: 0101
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: WAN: CISCO 2501 X.25 Version 2.0; LAN: CISCO O/S 9.21 (LLC) and Lance AMD(MAC)
 Underlying Product: 254
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 148
 Supplier: Cisco Systems, Incorporated
 1525 O'Brien Drive
 Menlo Park, CA 94025
 Contact: Ms Susan Scheer
 Tel: (415) 688-8131 Fax: (415) 688-7666
 GOSIP Product: Cisco Systems Router
 Version/Release: Ver 9 Rel 1
 Release Date: 01-NOV-92
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 20-APR-93 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0029
 MGS, CGS, AGS+, IGS, cisco3000, cisco4000, cisco7000
 Cisco Systems Router (Stand-alone System)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0086
 Port 1: LLC1{802.2}/MAC{802.3}/10Base5
 Port 2: LLC1{802.2}/MAC{802.3}/10Base5
 Underlying Stack: Embedded in Cisco Router Product Using CSC-2E2T Interface Hardware
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0371
 Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 218
 Supplier: Data General Corporation
 4400 Computer Drive
 Westboro, MA 01580
 Contact: Peter Conway
 Tel: (508) 898-7176 Fax: (508) 898-4212
 GOSIP Product: OSI/Platform for AViiON Systems
 Version/Release: Version 3.30 Release Date: 01-OCT-93
 Additional Info: Model AV8500 tested. Vendor claims support for other H/W models listed.
 Registration: PROV, GOSIP Version 2
 Date: 04-FEB-94 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0172
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000, AV8500, AV9000 OS: DG/UX System for AViiON Computers, Revision 5.4R2.10
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0105
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: LLC1{802.2}/MAC{802.3}/10BaseT
 Underlying Stack: LLC and MAC contained in DG/UX 5.4R2.10, embedded in product.
 Underlying Product:
 Protocols and Profiles: 0033
 CLNP{IS} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 184
 Supplier: Digital Equipment Corporation
 Imperial Way
 Reading, Berks RG20TE
 United Kingdom
 Contact: Ken Chamberlain
 GOSIP Product: DEC Network Integration Server Software (DECNIS)
 Version/Release: Version 2.1 Release Date: 30-APR-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 05-AUG-93 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0166
 HW: DECNIS 500, DECNIS 600
 OS: DECNIS V.21 with embedded OS
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0097
 Port 1: LLC1{802.2}/MAC{802.3}/10Base5
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: LAN: DEC Network Integration Server S/W, DNSAE-AA, BNEA4D-02, and H4005. WAN: DEC Network Integration Server S/W and DNSAB-AA
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0362
 Digital Equipment Corporation, OSI Conformance Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 210
 Supplier: Proteon, Inc.
 9 Technology Drive
 Westborough, MA 01581-1799
 Contact: Bob Reason
 Tel: (508) 898-2800 Fax: (508) 366-8901
 GOSIP Product: CNX500 OSI-ISO CLNP/ESIS/ISIS
 Version/Release: Version 13.0C
 Release Date: 01-NOV-93
 Additional Info: Currently, IS-IS is not within the scope of the GOSIP program; therefore, the IS-IS portion of this product cannot claim GOSIP compliance.
 Registration: PROV, GOSIP Version 2
 Date: 28-DEC-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0180
 HW: CNX500, CNX400, CNX600, DNX300
 OS: Embedded in product
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0102
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: LLC1{802.2}/MAC{802.3}/10BaseT
 Underlying Stack: Embedded in product.
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 70
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: DCP OSITS
 Version/Release: 2R1A + 192-194,197,199,202,203,205,207
 Release Date: 08-APR-92
 Additional Info:
 Registration: PROV, GOSIP Version 1
 Date: 16-OCT-92 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0078
 DCP-15 through DCP-55 Front End Processors
 DCP/OS Ver 5R2A and TELCON Ver 9R1A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0040
 Port 1: LLC1{802.2}/MAC{802.3}
 Port 2: X.25 PLP/X.25 LAP-B
 Underlying Stack: LAN Platform 2R2A, DCP 802.3 Lan Line Module, Feature #F5137-00. WAN: PSCS (Ver 51RA & PCR), DCP-15.
 Underlying Product:
 Protocols and Profiles: 0033
 CLNP{IS} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7.1
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-003 ES-IS Product ID: 186
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Dan Mulvey
 Tel: (703) 739-6710 Fax: (703) 739-1394
 GOSIP Product: Wellfleet Communications Router
 Version/Release: Version 5.81 Release Date: 24-SEP-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 24-AUG-93 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0168
 HW: Concentrator Node (CN) w/ACE020 proc;
 HW: Concentrator Node (CN) w/ACE030 proc;
 HW: Link Node (LN) w/ ACE020 processor;
 HW: Link Node (LN) w/ ACE030 processor;
 HW: Feeder Node (FN) w/ ACE020 processor;
 HW: Feeder Node (FN) w/ ACE030 processor;
 OS: Embedded in product
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0086 Port 1: LLC1{802.2}/MAC{802.3}/10Base5
 Port 2: LLC1{802.2}/MAC{802.3}/10Base5
 Underlying Stack: SW: Embedded in Product; I/O Modules: DE (Dual Port Ethernet), DSDE (Dual Ethernet/Dual Port Sync), and/or QENET (Quad Port Ethernet)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0371
 Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 202
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Access Feeder Node (AFN) S/W Version 5.81
 Version/Release: Version 5.81 Release Date: 24-SEP-93
 Additional Info: The AFN is a sealed-standalone router with the CLNP, OS, and underlying stack contained within the product.
 Registration: PROV, GOSIP Version 2 Date: 04-NOV-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0175
 H/W: Access Feeder Node (AFN)
 O/S: Embedded in Registered Product
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0101
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: WAN: Embedded in Product (Access Feeder Node (AFN) S/W Version 5.81) LAN=> S/W: Embedded in Product; I/O Module: Lance AMD(MAC)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 203
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Link Node (LN) S/W Version 5.81
 Version/Release: Version 5.81 Release Date: 24-SEP-93
 Additional Info: The LN is a standalone router with the CLNP, OS,
 and underlying stack contained within the product.
 Registration: PROV, GOSIP Version 2 Date: 04-NOV-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0176
 H/W: Link Node (LN) w/ ACE 20 Processor
 O/S: Embedded in Registered Product
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0101
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: LAN=> SW: Embedded in Product; I/O Module:
 DSDE (Dual Sync Dual Ethernet) WAN=> Embedded in the
 Product (Link Node (LN) S/W Version 5.81)
 Underlying Product:
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 249
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Backbone Concentrator Node (BCN) S/W Ver 7.70
 Version/Release: Version 7.70 Release Date: 24-MAR-94
 Additional Info: Claimed HW are I/O Cards which are
 interchangeable with the DSDE I/O Card. Multiple I/O Cards
 may be used within the same node.
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94
 Basis: BASE Base Products: N/A
 Tested Hardware/Operating System Platforms: 0211
 H/W: Backbone Concentrator Node (BCN) - DSDE I/O
 O/S: Embedded in product
 Claimed Compatibility Hardware/Software Platforms: 0212
 H/W: Dual Port Ethernet Link Module (DE) I/O Card
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
 O/S: Embedded in product
 Connectivity: 0101
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: LAN: Embedded in product; WAN: Embedded
 in product
 Underlying Product: 244
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO
 9542:1988] {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 250
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Backbone Link Node (BLN) S/W Version 7.70
 Version/Release: Version 7.70 Release Date: 24-MAR-94
 Additional Info: Claimed HW are I/O Cards which are
 interchangeable with the DSDE I/O Card. Multiple I/O Cards
 may be used within the same node.
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94
 Basis: DERIVED Base Products: 249
 Tested Hardware/Operating System Platforms: 0209
 H/W: Backbone Link Node (BLN) DSDE I/O Card
 O/S: Embedded in product
 Claimed Compatibility Hardware/Software Platforms: 0212
 H/W: Dual Port Ethernet Link Module (DE) I/O Card
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
 O/S: Embedded in product
 Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: LAN: Embedded in product; WAN: Embedded
 in product
 Underlying Product: 246
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 251
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Feeder Node (FN) S/W Version 7.70
 Version/Release: Version 7.70 Release Date: 24-MAR-94
 Additional Info: Claimed HW are I/O Cards which are
 interchangeable with the DSDE I/O Card. Multiple I/O Cards
 may be used within the same node.
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94
 Basis: DERIVED Base Products: 249
 Tested Hardware/Operating System Platforms: 0210
 H/W: Feeder Node (FN) DSDE I/O Card
 O/S: Embedded in product
 Claimed Compatibility Hardware/Software Platforms: 0212
 H/W: Dual Port Ethernet Link Module (DE) I/O Card
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
 O/S: Embedded in product
 Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: LAN: Embedded in product; WAN: Embedded
 in product Underlying Product: 248
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]
 {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 Intermediate Systems Product ID: 252
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Link Node (LN) S/W Version 7.70
 Version/Release: Version 7.70 Release Date: 24-MAR-94
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94
 Basis: DERIVED Base Products: 249
 Tested Hardware/Operating System Platforms: 0207
 H/W: Link Node (LN) DSDE I/O Card
 O/S: Embedded in Product
 Compatibility Hardware/Software Platforms: 0212
 H/W: Dual Port Ethernet Link Module (DE) I/O Card
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
 O/S: Embedded in product
 Connectivity: 0101
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: LAN: Embedded in product; WAN: Embedded in product
 Underlying Product: 245
 Protocols and Profiles: 0071
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988] {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 253
 Supplier: Wellfleet Communications, Inc.
 8 Federal Street
 Billerica, MA 01821
 Contact: Kathy Huber
 Tel: (508) 663-6676 Fax: (508) 663-6676
 GOSIP Product: Concentrator Node (CN) S/W Version 7.70
 Version/Release: Version 7.70 Release Date: 24-MAR-94
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94
 Basis: BASE Base Products: N/A
 Tested Hardware/Operating System Platforms: 0213
 H/W: Concentrator Node (CN) DSDE I/O Card
 O/S: Embedded in product
 Claimed Compatibility Hardware/Software Platforms: 0212
 H/W: Dual Port Ethernet Link Module (DE) I/O Card
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card
 O/S: Embedded in product
 Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT
 Port 2: X.25 PLP/X.25 LAP-B/V.35
 Underlying Stack: LAN: and WAN: Embedded in product
 Underlying Product: 247
 Protocols and Profiles: 0071 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988] {Dynamic Routing Claimed}
 ATS Used: ATS:2-7.1
 Conformance Lab: 0364 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 219
 Supplier: Bull Information Systems Incorporated
 Technology Park
 Billerica, MA 01821-4199
 Contact: Kenneth Finkenauer
 Tel: (508) 294-2909 Fax:
 GOSIP Product: GCOS6/HVS
 Version/Release: Release 2.0 Update 3
 Release Date: 23-MAR-92
 Additional Info:
 Registration: PROV, GOSIP Version 1
 Date: 04-FEB-94 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0184
 H/W: DPS6000 w/LACS Controller
 O/S: HVS6 Release 2 Update 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0106
 LLC1{802.2}/MAC{802.3}/LACS Controller
 Underlying Stack:
 IOS 8802.2/8802.3 on Bull HN LACS Controller for HVS6 Systems
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-9 and ATS:1-7
 Conformance Lab: 0355
 Bull HN Conformance Test Center
 13430 N Black Canyon Hwy, P.O. Box 8000
 Phoenix, AZ 85029

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 230
 Supplier: Bull Information Systems, Inc.
 13430 North Black Canyon
 Phoenix, AZ 85029
 Contact: Oscar Hefner
 Tel: (602) 862-6001 Fax: (602) 862-4026
 GOSIP Product: DPX/20 AIX 3 Stack B
 Version/Release: Version 1.0
 Release Date: 01-OCT-93
 Additional Info: None
 Registration: PROV, GOSIP Version 2
 Date: 08-MAR-94
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0195
 H/W: DPX/20 Models 100, 400, 600, & 800
 O/S: AIX Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0107
 LLC1{802.2}/MAC{802.3}/10Base5
 Underlying Stack: DPX/20 AIX 802.3
 Underlying Product:
 Protocols and Profiles: 0004
 TP4-CLNS/CLNP{ES} & ES-IS{ES}
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtnng Claimed}
 ATS Used: ATS:2-9.1 and ATS:2-7
 Conformance Lab: 0370
 Conformance Expert Center for OSI Bull - CECOB
 Rue Jean Jaures, B.P. 68
 78340 Les Clayes/Bois France

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 94
Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar Hefner
Tel: (602) 862-6001 Fax: (602) 862-6051
GOSIP Product: DPX/2 B.O.S. (Stack B)
Version/Release: Ver 2
Release Date: 01-OCT-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2
Date: 13-NOV-92
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0087
DPX/2 200, O/S B.O.S. 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer
Underlying Product:
Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
Rue Jean Jaures, B.P. 68
78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 95
Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar Hefner
Tel: (602) 862-6001 Fax: (602) 862-6051
GOSIP Product: Datanet (DCP 7500)
Version/Release: DNS Ver 4 Update 1
Release Date: 01-JAN-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2
Date: 13-NOV-92
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0086
DCP 7500
O/S DNS Ver 4 Update 1
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack:
DATANET DCP 7500 X.25 Packet Layer DATANET DCP 7500
X.25 Frame Layer
Underlying Product:
Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
Rue Jean Jaures, B.P. 68
78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 96
Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar Hefner
Tel: (602) 862-6001 Fax: (602) 862-6051
GOSIP Product: DPX/2 B.O.S. (Stack B)
Version/Release: Ver 2
Release Date: 01-OCT-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2
Date: 13-NOV-92
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0087
DPX/2 200, O/S B.O.S. 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
Rue Jean Jaures, B.P. 68
78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 97
Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar Hefner
Tel: (602) 862-6001 Fax: (602) 862-6051
GOSIP Product: DPX/2 B.O.S. (Stack B)
Version/Release: Ver/Rel 2
Release Date: 01-OCT-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2
Date: 13-NOV-92
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0087
DPX/2 200, O/S B.O.S. 2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
LLC1{802.2}/MAC{802.3}
Underlying Stack: DPX/2, BOS 2, ISO 8802-2/3 (LAN)
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0370
Conformance Expert Center for OSI Bull - CECOB
Rue Jean Jaures, B.P. 68
78340 Les Clayes/Bois France

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 98
 Supplier: Bull Information Systems, Incorporated
 13430 North Black Canyon Highway
 Phoenix, AZ 85029

Contact: Oscar Hefner
 Tel: (602) 862-6001 Fax: (602) 862-6051

GOSIP Product: DATANET DCP 7500
 Version/Release: DNS Ver 4 Update 1
 Release Date: 01-JAN-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 13-NOV-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0086
 DCP 7500
 O/S DNS Ver 4 Update 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: Datanet DCP 7500 ISO 8802-2/3 (LAN)
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 AND ATS:1-9
 Conformance Lab: 0370
 Conformance Expert Center for OSI Bull - CECOB
 Rue Jean Jaures, B.P. 68
 78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 99
 Supplier: Bull Information Systems, Incorporated
 13430 North Black Canyon Highway
 Phoenix, AZ 85029

Contact: Oscar Hefner
 Tel: (602) 862-6001 Fax: (602) 862-6051

GOSIP Product: DATANET DCP 7500
 Version/Release: DNS Ver 4 Update 1
 Release Date: 01-JAN-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 13-NOV-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0086
 DCP 7500
 O/S DNS Ver 4 Update 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack:
 Datanet DCP 7500 X.25 Packet Layer; Datanet DCP 7500 X.25
 Frame Layer
 Underlying Product:
 Protocols and Profiles: 0011
 Transport Class 4-CONS [ISO 8073:1988]
 ATS Used: ATS:1-9
 Conformance Lab: 0370
 Conformance Expert Center for OSI Bull - CECOB
 Rue Jean Jaures, B.P. 68
 78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 101
 Supplier: Bull Information Systems, Incorporated
 13430 North Black Canyon Highway
 Phoenix, AZ 85029

Contact: Oscar Hefner
 Tel: (602) 862-6001 Fax: (602) 862-6051

GOSIP Product: DPX/2 B.O.S (Stack B)
 Version/Release: 2
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 13-NOV-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0087
 DPX/2 200, O/S B.O.S. 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack:
 DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer
 Underlying Product:
 Protocols and Profiles: 0011
 Transport Class 4-CONS [ISO 8073:1988]
 ATS Used: ATS:1-9
 Conformance Lab: 0370
 Conformance Expert Center for OSI Bull - CECOB
 Rue Jean Jaures, B.P. 68
 78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 169
 Supplier: Bull Information Systems, Incorporated
 13430 North Black Canyon Highway
 Phoenix, AZ 85029

Contact: Oscar Hefner
 Tel: (602) 862-6001 Fax: (602) 862-6051

GOSIP Product: DATANET DCP 7500
 Version/Release: DNS Ver 4 Update 1
 Release Date: 01-JAN-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 13-NOV-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0086
 DCP 7500
 O/S DNS Ver 4 Update 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack:
 Datanet DCP 7500 X.25 Packet Layer; Datanet DCP 7500 X.25
 Frame Layer.
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 AND ATS:1-9
 Conformance Lab: 0370
 Conformance Expert Center for OSI Bull - CECOB
 Rue Jean Jaures, B.P. 68
 78340 Les Clayes/Bois France

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 38
Supplier: Control Data Corporation
4201 North Lexington Avenue
Arden Hills, MN 55126-6198
Contact: J. Carey
Tel: (612) 482-2567 Fax: (612) 482-2791
GOSIP Product: Control Data EP/IX Access & Directory
Version/Release: Ver 1.4.2
Release Date: 27-NOV-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2
Date: 25-FEB-92
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0052
Control Data 4000
Control Data EP/IX Version 1.4.2
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0027
PLS{802.3}/10Base5
Underlying Stack:
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: 0354
Control Data Corporation, OSI Accredited Test Center
4201 North Lexington Avenue
Arden Hills, MN 55126-6198

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 88
Supplier: Control Data Corporation
4201 North Lexington Avenue
Arden Hills, MN 55126-6198

Contact: Ronald Swan
Tel: (612) 482-6257 Fax: (612) 482-3616

GOSIP Product: CDCNET
Version/Release: Ver 1.6.1 / B720
Release Date: 01-MAR-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2
Date: 09-NOV-92
Basis: BASE
Base Products: n/a
Tested Hardware/Operating System Platforms: 0083
CDCNET Device Interface DY-227-B, O/S NONE
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: CDCNET, Ver 1.6.1, X.25
Underlying Product:
Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0354
Control Data Corporation, OSI Accredited Test Center
4201 North Lexington Avenue
Arden Hills, MN 55126-6198

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 170
Supplier: Control Data Corporation
4201 North Lexington Avenue
Arden Hills, MN 55126-6198
Contact: Ronald Swan
Tel: (612) 482-6257 Fax: (612) 482-3616
GOSIP Product: CDCNET
Version/Release: 1.7.1/BCU #803AA Release Date: 01-MAR-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2 Date: 09-FEB-93
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0153
CYBER 930 Host and Mainframe Device Interface (MDI),
Mainframe Device Interface (TDI), or Integrated
Communications Adapter (ICA) CYBER O/S, NOS/Ver 1.7.7, ICA
is stand-alone (Self Contained)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
LLC1{802.2}/MAC{802.3}
Underlying Stack: CDCNET Ethernet Serial Channel Interface
Product 46 (P-2 LAN) (Registered October 15, 1992)
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS: 1-7 AND ATS:1-9
Conformance Lab: 0354
Control Data Corporation, OSI Accredited Test Center
4201 North Lexington Avenue
Arden Hills, MN 55126-6198

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 233
Supplier: Cray Communications A/S
Smedeholm 12-14
Herlev DK 2730 Denmark

Contact: Sven Olav Lund
Tel: 45 44 53 01 00 Fax: 45 44 53 14 15
GOSIP Product: Cray OSI/TP4 Protocol Stack
Version/Release: Version 6.21
Release Date: 12-MAR-93
Additional Info: Tested hardware platform for this submission is the
CS-7000. Vendor claims other hardware compatibility as listed
in this registration.
Registration: PROV, GOSIP Version 2 Date: 08-MAR-94
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0196
H/W:CS-6101,CS-6264,CS-6364,CS-6600,CS-7000,CS-1400
H/W:TM-0101,TM-0201,TM-0601,TM-0602
O/S:Cray Kernel V6.10 (xcmts610.ncc)
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0112
LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: Cray Kernel V6.10 (xcmts610.ncc)
Underlying Product:
Protocols and Profiles: 0004
TP4-CLNS/CLNP{ES} & ES-IS{ES}
Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
Rtnng Claimed}
ATS Used: ATS:2-9.2 and ATS:2-7
Conformance Lab: 0357
National Computing Centre Limited
Oxford Road
Manchester M17ED United Kingdom

GOSIP REGISTERS, Continued

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 76

Supplier: Data General Corporation
4400 Computer Drive, MS/D216
Westborough, MA 01580

Contact: Charles Stakus
Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: OSI/Platform for AViiON Systems

Version/Release: Ver 3.0

Release Date: 01-JUN-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 23-OCT-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0053

AViiON 5000/6000 Series

DG/UX System for AViiON Systems Rev. 5.4.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack:

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: 0371

Alcatel TITN Test Center

7011 Koll Center Parkway, Suite 200

Pleasanton, CA 94566-3101

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 77

Supplier: Data General Corporation
4400 Computer Drive, MS/D216
Westborough, MA 01580

Contact: Charles Stakus

Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: OSI/Platform for AViiON Systems

Version/Release: Ver 3.0

Release Date: 01-JUN-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 23-OCT-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0053

AViiON 5000/6000 Series

DG/UX System for AViiON Systems Rev. 5.4.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack:

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: 0371

Alcatel TITN Test Center

7011 Koll Center Parkway, Suite 200

Pleasanton, CA 94566-3101

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 89

Supplier: Data General Corporation
4400 Computer Drive, MS/D216
Westborough, MA 01580

Contact: Charles Stakus

Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: OSI/Platform for AViiON Systems

Version/Release: Ver 3.0

Release Date: 01-JUN-92

Additional Info: None

Registration: PROV, Grndfthrd, V1->V2 Date: 13-NOV-92

Basis: DERIVED Base Products:

Tested Hardware/Operating System Platforms: 0053

AViiON 5000/6000 Series

DG/UX System for AViiON Systems Rev. 5.4.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: X.25 for AViiON Systems, Ver. 2.20

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: 0391

Data General Corporation, OSI Conformance Test Center

4400 Computer Drive, MS/D216

Westborough, MA 01580

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 193

Supplier: Data General Corporation
4400 Computer Drive
Westboro, MA 01580

Contact: Peter Conway

Tel: (508) 898-7176 Fax: (508) 898-4212

GOSIP Product: OSI/Platform for AViiON Systems

Version/Release: Version 3.30 Release Date: 01-OCT-93

Additional Info: Product tested on Model AV8500 platform. Vendor claims support for other H/W platforms as listed.

Registration: PROV, GOSIP Version 2 Date: 30-SEP-93

Basis: BASE Base Products: n/a

Tested Hardware/Operating System Platforms: 0172

HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,

AV8500, AV9000 OS: DG/UX System for AViiON Computers,

Revision 5.4R2.10

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0095

LLC1{802.2}/MAC{802.3}/10BaseT

Underlying Stack:

LAN: LLC and MAC contained in DG/UX 5.4R2.10, embedded in product.

Underlying Product:

Protocols and Profiles: 0004

TP4-CLNS/CLNP{ES} & ES-IS{ES}

Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtnng Claimed}

ATS Used: ATS:2-7 and ATS:2-9.2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 207

GOSIP REGISTERS, *Continued*

Supplier: Data General Corporation
4400 Computer Drive
Westboro, MA 01580
Contact: Peter Conway
Tel: (508) 898-7176 Fax: (508) 898-4212
GOSIP Product: OSI/Platform for AViiON Systems
Version/Release: Version 3.30 Release Date: 01-OCT-93
Additional Info: Product tested over AViiON AV8500
Registration: PROV, GOSIP Version 2 Date: 20-DEC-93
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0172
HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,
AV8500, AV9000 OS: DG/UX System for AViiON Computers,
Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack: X.25 for AViiON Systems, Ver. 2.40, 01-OCT-93,
GOSIP Ver. 2, Product ID 204
Underlying Product:
Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:2-8
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 211
Supplier: Data General Corporation
4400 Computer Drive
Westboro, MA 01580
Contact: Peter Conway
Tel: (508) 898-7176 Fax: (508) 898-4212
GOSIP Product: OSI/Platform for AViiON Systems
Version/Release: Version 3.30
Release Date: 01-OCT-93
Additional Info: Model AV8500 tested. Vendor claims support for
other H/W models listed.
Registration: PROV, GOSIP Version 2
Date: 13-JAN-94
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 0172
HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,
AV8500, AV9000 OS: DG/UX System for AViiON Computers,
Revision 5.4R2.10
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0063
X.25 PLP/X.25 LAP-B/RS-232C
Underlying Stack:
X.25 for AViiON Systems, Version 2.40, 01-OCT-93, GOSIP
Version 2, Product ID: 204
Underlying Product:
Protocols and Profiles: 0004
TP4-CLNS/CLNP{ES} & ES-IS{ES}
Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
Rtng Claimed}
ATS Used: ATS:2-7 and ATS:2-9.2
Conformance Lab: 0364
CDA, Incorporated
8301 Greensboro Drive, #350
McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 128
Supplier: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard Duhamel
Tel: (508) 486-5021 Fax: (508) 486-7417
GOSIP Product: DECnet-VAX (TM) Ver 5.4 EXTENSIONS
Version/Release: Ver 5.4 Release Date: 01-SEP-91
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2 Date: 26-JAN-93
Basis: BASE Base Products: n/a
Tested Hardware/Operating System Platforms: 0113
MicroVAX 3800 VMS Ver 5.4
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0046
X.25 PLP/HDLC LAP-B
Underlying Stack:
VAX Packet System Interface for DECnet(TM) 5.4 Extensions,
September 1991
Underlying Product:
Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]
ATS Used: ATS:1-8
Conformance Lab: 0362
Digital Equipment Corporation, OSI Conformance
Interoperability Test Center
550 King Street, MS LKG2A/R5
Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 129
Supplier: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard Duhamel
Tel: (508) 486-5021 Fax: (508) 486-7417
GOSIP Product: DECnet/OSI for OpenVMS VAX V5.5/VOTS, v3.0A
Version/Release: Ver 3.0A Release Date: 11-SEP-92
Additional Info: None
Registration: PROV, Grndfthrd, V1->V2 Date: 13-JAN-93
Basis: DERIVED Base Products:
Tested Hardware/Operating System Platforms: 0115
MicroVAX - II, 2000, 3100, 3300/3400, 3500, 3600, 3800, 3900
VAXstation - II, 2000, 3100, 3200, 3500, 3520, 3540, 4000
VAXserver - 3100, 3300/3400, 3500, 3600, 3602, 3800, 3900,
6000 VAX - 11/730, 11/750, 11/780, 11/785, 4000, 6000, 8200,
8250, 8300, 8350, 85xx, 8600, 8650, 8700, 8800, 8810, 8820,
8830, 8840, 9000 VAXft - M110/310, M410/610/612, WITH O/S
OpenVMS V5.5
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0010
LLC1{802.2}/MAC{802.3}
Underlying Stack:
Digital DESQA CSMA/CD LAN Controller; DEC (MAU) 44005;
DEC (AUI) BNE4D-02; DEC (LLC) OpenVMS for VAX, Ver 5.5-2
Underlying Product:
Protocols and Profiles: 0003
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: 0362
Digital Equipment Corporation, OSI Conformance
Interoperability Test Center
550 King Street, MS LKG2A/R5
Littleton, MA 01460-1289

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 144
 Supplier: Digital Equipment Corp
 550 King Street
 Littleton, MA 01460-1289
 Contact: Richard Duhamel
 Tel: (508) 486-5021 Fax: (508) 486-7417
 GOSIP Product: DECnet/OSI for ULTRIX
 Version/Release: Ver 5.1-ECO0193 Release Date: 02-JAN-93
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2 Date: 31-MAR-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0135
 1- DECstations 2100, 3100s, 5000/20, 5000/25, 5000/120, 5000/125,
 5000/200, and 500/240 w Integrated Ethernet Controller
 ULTRIX Worksystem Software, Ver 4.2A
 2- DECsystems 5000/200, 5000/240, 5100, 5400, 5500, 5810, 5820,
 5830, 5840, 5900 with Integrated Ethernet Controller
 ULTRIX Ver 4.2A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: DECnet/OSI for ULTRIX Ver 5.1-EC00193
 Layered product for ULTRIX; Chipset integrated
 with the CPU
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0362
 Digital Equipment Corporation, OSI Conformance
 Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 54
 Supplier: Digital Equipment Corporation
 Digital Park
 Reading RG2 OTE United Kingdom
 Contact: Bill Daley
 GOSIP Product: DECnet-VAX (TM) Extensions Ver 5.4A/VOTS V 3.0A
 Version/Release: 5.4A Release Date: 01-APR-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2 Date: 16-AUG-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0066
 Digital VAX Computer with VMS C5.4A+ Operating System
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack:
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0362
 Digital Equipment Corporation, OSI Conformance
 Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 55
 Supplier: Encore Computing Corporation
 6901 West Sunrise Boulevard
 Ft. Lauderdale, FL 33313-4499
 Contact: Augie Gonzales
 Tel: (305) 587-2900 Fax: (305) 797-5807
 GOSIP Product: Encore EnComm ISO Transport Services
 Version/Release: Ver 3.0.0
 Release Date: 01-AUG-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2 Date:
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0067
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: EnComm VME Ethernet Dvr 2.1 over Encore
 VME Ethernet Cntrlr (VSSC) #8513-047 SynOptics
 Enterprise/Dpt Hub Configuration
 Underlying Product:
 Protocols and Profiles: 0046
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 56
 Supplier: Encore Computing Corporation
 6901 West Sunrise Boulevard
 Ft. Lauderdale, FL 33313-4499
 Contact: Augie Gonzales
 Tel: (305) 587-2900 Fax: (305) 797-5807
 GOSIP Product: EnComm ISO Transport Services
 Version/Release: Ver 3.0.0
 Release Date: 01-AUG-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 31-AUG-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0067
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0094
 CLNP{ES}/LLC1{802.2}/MAC{802.3}
 CLNP{ES}/X.25 PLP/X.25 LAP-B
 Underlying Stack: Encore/SynOptics LattisNet Mdl 3030
 CLNP{ES}/LAN; Encore/SynOptics Departmental
 Hub CLNP{ES}/LAN; EnComm ISO
 CLNP{ES}/EnComm X.25 and PAD Revision 3.0
 Underlying Product:
 Protocols and Profiles: 0075
 Transport Class 4-CLNS [ISO 8073:1988 / Add2:1989]
 ATS Used: ATS:1-9
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 57
 Supplier: Encore Computing Corporation
 6901 West Sunrise Boulevard
 Ft. Lauderdale, FL 33313-4499
 Contact: Augie Gonzales
 Tel: (305) 587-2900 Fax: (305) 797-5807
 GOSIP Product: EnComm ISO Transport Services
 Version/Release: Ver 3.0.0
 Release Date: 01-JUL-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 31-AUG-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0067
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: Encore EnComm X.25 and PAD Rev 3.0.0,
 15-JUN-92
 Underlying Product:
 Protocols and Profiles: 0010
 Transport Class 0 [ISO 8073:1988]
 ATS Used: ATS:1-8
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 58
 Supplier: Encore Computing Corporation
 6901 West Sunrise Boulevard
 Ft. Lauderdale, FL 33313-4499
 Contact: Augie Gonzales
 Tel: (305) 587-2900 Fax: (305) 797-5807
 GOSIP Product: Encore EnComm ISO Transport Services
 SynOptics LattisNet Mdl 3030 Concentrator
 Version/Release: VER 3.0.0
 Release Date: 01-AUG-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 27-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0067
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0095
 LLC1{802.2}/MAC{802.3}/10BaseT
 Underlying Stack:
 EnComm VME Ethernet Dvr 2.1 over Encore VME Ethernet
 Cntrlr (VSSC) #8523-444 SynOptics LattisNet Model 3030
 Concentrator, 3313 Ethernet MMM, and 3308 Host
 Underlying Product:
 Protocols and Profiles: 0046
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 78
 Supplier: Encore Computing Corporation
 6901 West Sunrise Boulevard
 Ft. Lauderdale, FL 33313-4499
 Contact: Augie Gonzales
 Tel: (305) 587-2900 Fax: (305) 797-5807
 GOSIP Product: Encore EnComm ISO Transport Services over
 SynOptics Enterprise/Dpt Hub Configur.
 Version/Release: Ver 3.0.0
 Release Date: 01-AUG-92
 Additional Info: Components of SynOptics Enterprise/Department
 Hub Configuration listed in underlying stack.
 Registration: PROV, Grndfthrd, V1->V2
 Date: 27-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0067
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0095
 LLC1{802.2}/MAC{802.3}/10BaseT
 Underlying Stack: EnComm VME Ethnt Dvr 2.1, Encore VME Ethnt
 Cntrl 8513-047, Hub (3000N, 3313A-04, 3314A-04, 504A,
 3595A-01, 3308A, 2813-04, 3304-ST, 3301, 3323S, 3383-02,
 508A)
 Underlying Product:
 Protocols and Profiles: 0046
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 4
 Supplier: Hewlett-Packard Company
 19420 Homestead Road
 Cupertino, CA 95014-9810
 Contact: Murali Subbarao
 Tel: (408) 447-2822 Fax: (408) 447-3660
 GOSIP Product: HP OSI Transport Services/9000, P/N 32070A
 Version/Release: Ver C.02.00
 Release Date: 10-JUN-91
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 28-MAY-91
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0013
 HP 9000 Series 800/HP-UX Operating System, Version 8.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack:
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0365
 Hewlett-Packard Company, OSI Conformance Test Center
 19420 Homestead Road, MS 43UJ
 Cupertino, CA 95014-9810

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 212
 Supplier: Hewlett-Packard Company
 19420 Homestead Road
 Cupertino, CA 95014-9810
 Contact: Murali Subbarao
 Tel: (408) 447-2822 Fax: (408) 447-3660
 GOSIP Product: HP OSI Transport Services/9000 (OTS/9000) Ser 800
 Version/Release: Version C.04.00 (PHNE_2954)
 Release Date: 17-AUG-93
 Additional Info: OTS/9000 is available on all machines in the HP9000 Series 800 family. OTS runs on top of 10Base2, 10BaseT or 10Base5 and utilizes the same driver for each.
 Registration: PROV, GOSIP Version 2 Date: 10-JAN-94
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0181
 HW: HP9000 Series 800 OS: HP-UX Version A.09.00
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0104 LLC1{802.2}/MAC{802.3}/10Base2
 LLC1{802.2}/MAC{802.3}/10BaseT
 LLC1{802.2}/MAC{802.3}/10Base5
 Underlying Stack: LAN/9000 LinkHP J2146A for HP9000 Series 8x7,890 & LAN/9000 LinkHP 36967A for HP9000 Series 8x2, and other series 800. Can be bundled on Series 8x7, and 890.
 Underlying Product:
 Protocols and Profiles: 0004 TP4-CLNS/CLNP{ES} & ES-IS{ES}
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtnng Claimed}
 ATS Used: ATS:2-9.2 and ATS:2-7
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 213
 Supplier: Hewlett-Packard Company
 19420 Homestead Road
 Cupertino, CA 95014-9810
 Contact: Murali Subbarao
 Tel: (408) 447-2822 Fax: (408) 447-3660
 GOSIP Product: HP OSI Transport Services/9000 (OTS/9000) Ser 700
 Version/Release: Version C.04.00 (PHNE_2955)
 Release Date: 17-AUG-93
 Additional Info: OTS/9000 is available on all machines in the HP 9000 Series 700 family. OTS runs on top of 10Base2, 10BaseT, or 10Base5 and utilizes the same driver for each.
 Registration: PROV, GOSIP Version 2 Date: 10-JAN-94
 Basis: DERIVED Base Products:
 Tested Hardware/Operating System Platforms: 0182
 HW: HP 9000 Series 700 OS: HP-UX Version A.09.00
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0104 LLC1{802.2}/MAC{802.3}/10Base2
 LLC1{802.2}/MAC{802.3}/10BaseT
 LLC1{802.2}/MAC{802.3}/10Base5
 Underlying Stack: LAN/9000 Link HP 25567A for HP 9000 Series 700. Tested on HP 9000 Series 827S.
 Underlying Product:
 Protocols and Profiles: 0004
 TP4-CLNS/CLNP{ES} & ES-IS{ES}
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtnng Claimed}
 ATS Used: ATS:2-9.2 and ATS:2-7
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 23
 Supplier: IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

Contact: Alberto Sinibaldi
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem
 Version/Release: Ver 1 Rel 1.1
 Release Date: 01-DEC-90
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 01-NOV-91
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0036
 (1) HW: IBM Systems 370/390
 (1) OS: IBM MVS/ESA Ver 3 Rel 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:
 Protocols and Profiles: 0010
 Transport Class 0 [ISO 8073:1988]
 ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 24
 Supplier: IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

Contact: Alberto Sinibaldi
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem
 Version/Release: Ver 1 Rel 1.1
 Release Date: 01-DEC-90
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 01-NOV-91
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0037
 HW: IBM Systems 370/390
 OS: IBM VM/ESA Ver 1 Rel 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: Provided By IBM NCP Packet Switching Interface.
 Underlying Product:
 Protocols and Profiles: 0010
 Transport Class 0 [ISO 8073:1988]
 ATS Used: ATS:1-8

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 25
Supplier: IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy
Contact: Alberto Sinibaldi
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 01-NOV-91

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0038

HW: IBM Systems 370/390

OS: IBM VM/SP Rel 5

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 26
Supplier: IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy
Contact: Alberto Sinibaldi
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 01-NOV-91

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0173

HW: IBM Systems 370/390

OS: IBM MVS/XA Ver 2 Rel 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 33
Supplier: IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy

Contact: Alberto Sinibaldi

Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info: None

Registration: PROV, Grndfthrd, V1->V2

Date: 12-FEB-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0036

(1) HW: IBM Systems 370/390

(1) OS: IBM MVS/ESA Ver 3 Rel 1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-9 and ATS:1-7

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 34
Supplier: IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy

Contact: Alberto Sinibaldi

Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 12-FEB-92

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0049

HW: IBM Systems 370/390

OS: IBM MVS/XA Ver 2 Rel 2, VM/SP Rel 5, VM/ESA Ver 1 Rel 1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-9 and ATS:1-7

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 35
 Supplier: IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy
 Contact: Alberto Sinibaldi
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 12-FEB-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0036

(1) HW: IBM Systems 370/390

(1) OS: IBM MVS/ESA Ver 3 Rel 1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack:

Software: IBM OSI/Comm Subsystem V.1 R1.1 in IBM/S/
 390[802.2]; Interconnect Controller Program V1.0 on IBM
 Interconnect Controller Program (802.3). Hardware: IB

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 36

Supplier: IBM Rome Networking Systems Laboratory

Via Paolo Di Dono 44

00143 Rome Italy

Contact: Alberto Sinibaldi

Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 12-FEB-92

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0049

HW: IBM Systems 370/390

OS: IBM MVS/XA Ver 2 Rel 2, VM/SP Rel 5, VM/ESA Ver 1 Rel 1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:

Protocols and Profiles: 0011

Transport Class 4-CONS [ISO 8073:1988]

ATS Used: ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 112
 Supplier: IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

Contact: Alberto Sinibaldi

Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI Communications Subsystem/400

Version/Release: Ver 2 Rel 1.1

Release Date: 01-MAR-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 18-DEC-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0098

AS/400 9404

OS/400 Ver 2 Rel 1.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack:

IBM AS/400 X.25 Communications Support Program, Ver 2,
 Release 1.1

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: 0392

IBM Rome Networking Systems Laboratory

Via Paolo Di Dono 44

00143 Rome Italy

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 116

Supplier: IBM Rome Networking Systems Laboratory

Via Paolo Di Dono 44

00143 Rome Italy

Contact: Alberto Sinibaldi

Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info: None

Registration: PROV, Grndfthrd, V1->V2

Date: 04-JAN-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0101

IBM Enterprise System/390 All Models (S/390, 43xx, 30xx),

IBM MVS/ESA, MVS/XA, IBM VM/SP, VM/ESA

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 117

Supplier: IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy

Contact: Alberto Sinibaldi
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: IBM AIX OSI Messaging and Filing/6000

Version/Release: Ver 1, Level 180

Release Date: 01-DEC-90

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 04-JAN-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0102

IBM RISC System/6000 All Models (7011, 7012, 7013, 7015,
6016, OS AIX/6000

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack:

Software: IBM AIX/6000 Ver 3.1.5; Hardware: Ethernet Adapter
7013-2890

Underlying Product:

Protocols and Profiles: 000

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 209

Supplier: IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy

Contact: Alberto Sinibaldi
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI Communications Subsystem/400

Version/Release: Version 2 Release 3

Release Date: 01-DEC-93

Additional Info: Derived from Base product ID: 112, which was
grandfathered

GOSIP V1 to V2

Registration: PROV, Grndfthrd, V1->V2

Date: 20-DEC-93

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0179

HW: AS/400

OS: OS/400 Version 2 Release 3

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: AS/400 X.25 Communications Support, Version 2
Release 3, GOSIP Product ID: 183

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: 0392

IBM Rome Networking Systems Laboratory
Via Paolo Di Dono 44
00143 Rome Italy

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 51

Supplier: NCR

9900 Old Grove Road

San Diego, CA 92131

Contact: Wendy Morrison

Tel: (619) 693-5665 Fax: (619) 693-5705

GOSIP Product: NCR UNIX OSI Network Services

Version/Release: Ver 2.00.02 Release Date: 17-APR-92

Additional Info: Same product also registered over X.25 (Product ID
82) and for TP0 over X.25 (Product ID 83)

Registration: PROV, Grndfthrd, V1->V2 Date: 07-AUG-92

Basis: BASE Base Products: n/a

Tested Hardware/Operating System Platforms: 0063

HW: NCR System 3000 consisting of the following hardware
models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600 OS:
NCR UNIX SVR4, (MP-RAS), Rel 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010 LLC1{802.2}/MAC{802.3}

Underlying Stack: NCR System 3000, Integrated LAN Driver Ver
2.00 Western Digital WD8003

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: 0363

Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 82

Supplier: NCR

9900 Old Grove Road

San Diego, CA 92131

Contact: Wendy Morrison

Tel: (619) 693-5665 Fax: (619) 693-5705

GOSIP Product: NCR UNIX OSI Network Services

Version/Release: Ver 2.01 Release Date: 08-SEP-92

Additional Info: Same product also registered over LAN (Product ID
51) and for TP0 over X.25 (Product ID 83)

Registration: PROV, Grndfthrd, V1->V2

Date: 27-OCT-92

Basis: DERIVED Base Products:

Tested Hardware/Operating System Platforms: 0063

HW: NCR System 3000 consisting of the following
hardware models: 3320, 3340, 3345, 3447, 3450,
3550, and 3600 OS: NCR UNIX SVR4, (MP-RAS), Rel 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: NCR System 3000, X.25 Ntwrk Svcs [Packet
Layer]; NCR MUOE HDLC Ver 1.04 [Link Layer]; NCR
Multi-Protocol Communications Adapter/Firmware Ver 1.1A
[Phys Layer]

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: 0363

Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 83
 Supplier: NCR
 9900 Old Grove Road
 San Diego, CA 92131
 Contact: Wendy Morrison
 Tel: (619) 693-5665 Fax: (619) 693-5705
 GOSIP Product: NCR UNIX OSI Network Services
 Version/Release: Ver 2.01
 Release Date: 08-SEP-92
 Additional Info: Same product also registered for TP4 (Product ID 51 and Product ID 82)
 Registration: PROV, Grndfthrd, V1->V2
 Date: 27-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0063
 HW: NCR System 3000 consisting of the following hardware models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600 OS: NCR UNIX SVR4, (MP-RAS), Rel 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: NCR System 3000, X.25 Ntwrk Svcs [Packet Layer]; NCR MUOE HDLC Ver 1.04 [Link Layer]; NCR Multi-Protocol Communications Adapter/Firmware Ver 1.1A [Phys Layer]
 Underlying Product:
 Protocols and Profiles: 0010
 Transport Class 0 [ISO 8073:1988]
 ATS Used: ATS:1-8
 Conformance Lab: 0363
 Corporation for Open Systems International Test Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 49
 Supplier: Novell Incorporated
 2180 Fortune Drive
 San Jose, CA 95131
 Contact: Jan Provan
 Tel: (408) 473-8422 Fax: (408) 433-9827
 GOSIP Product: NetWare FTAM Transport Component
 Version/Release: Ver 1.2 Rev B
 Release Date: 20-APR-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2 Date: 24-JUN-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0058
 AST Premium 386/33 with 8 MB RAM NOVELL 3.11 Operating System over NOVELL NE2000 Ethernet card (802.3)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: NOVELL 3.11 Operating System over NOVELL NE2000 Ethernet
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 50
 Supplier: Novell Incorporated
 2180 Fortune Drive
 San Jose, CA 95131
 Contact: Jan Provan
 Tel: (408) 473-8422 Fax: (408) 433-9827
 GOSIP Product: NetWare FTAM Transport Component
 Version/Release: Ver 1.2 Rev B
 Release Date: 20-APR-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 24-JUN-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0058
 AST Premium 386/33 with 8 MB RAM
 NOVELL 3.11 Operating System over NOVELL NE2000 Ethernet card (802.3)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: NOVELL Ver 3.11 Operating System Over LLC1{802.2}/MAC{802.4} NE2000 and IBM 4MB Token Ring Card
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 111
 Supplier: Retix
 2401 Colorado Avenue
 Santa Monica, CA 90404
 Contact: Jeff Stone
 Tel: (310) 828-3400 Fax: (310) 828-2255
 GOSIP Product: LT-610
 Version/Release: Ver 2.3.0 Release Date: 01-OCT-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2 Date: 18-DEC-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0099
 Vendor claims all Intel 386 and 486 based platforms using state d o/s. Test platform was Intel 486DX (Alpha Systems Laboratory, Incorporated ASL486/33 ASL433), O/S UNIX System V Release 3.2 (SUN Soft Interactive Ver 3.0)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: S/W: Retix LT-610, Ver 2.3.0; H/W: Western Digital Model WD8003.
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 132

Supplier: Retix

2401 Colorado Avenue
Santa Monica, CA 90404

Contact: Jeff Stone

Tel: (310) 828-3400 Fax: (310) 828-2255

GOSIP Product: LT-610

Version/Release: Ver 2.3.0

Release Date: 01-OCT-92

Additional Info: None

Registration: PROV, Grndfthrd, V1->V2

Date: 05-FEB-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0120

Intel 386 (Tatung) O/S UNIX System V Rel 3.2 (SCO UNIX 4.0)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack:

Retix LT-610, Ver 2.3.0; Western Digital Model WD8003

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: 0357

National Computing Centre Limited

Oxford Road

Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 187

Supplier: SUN Microsystems, Inc.

32 Chemin du Vieux Chene
Meylan F-38240 France

Contact: Tom Hull

Tel: +33 76 41 42 43 Fax: +33 76 41 42 41

GOSIP Product: SUNLink OSI

Version/Release: Version 8.0

Release Date: 08-AUG-93

Additional Info:

Registration: PROV, GOSIP Version 2

Date: 26-AUG-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0169

HW: All SUN SPARC Hardware

OS: Solaris 2.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: Sunlink X.25 8.0

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:2-8

Conformance Lab: 0357

National Computing Centre Limited

Oxford Road

Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 188

Supplier: SUN Microsystems, Inc.

32 Chemin du Vieux Chene
Meylan F-38240 France

Contact: Tom Hull

Tel: +33 76 41 42 43 Fax: +33 76 41 42 41

GOSIP Product: Sunlink OSI

Version/Release: Version 8.0 Release Date: 08-AUG-93

Additional Info:

Registration: PROV, GOSIP Version 2 Date: 09-SEP-93

Basis: BASE Base Products: n/a

Tested Hardware/Operating System Platforms: 0170

HW: SparcStation 10 Model 41 OS: Solaris 2.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0095

LLC1{802.2}/MAC{802.3}/10BaseT

Underlying Stack: Sunlink OSI 8.0 LLC Module, implementing LLC1,
the Solaris 2.1 Lance Ethernet driver and Am7990 combination-
implementing ISO8802-3 Sun Motherboard LAN Interface

Underlying Product:

Protocols and Profiles: 0004

TP4-CLNS/CLNP{ES} & ES-IS{ES}

Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
Rtnng Claimed}

ATS Used: ATS:2-9.2 and ATS:2-7

Conformance Lab: 0357

National Computing Centre Limited

Oxford Road

Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 66

Supplier: SUN Microsystems, Inc. International Centre for Network
Computing

32 Rue du Vieux Chene F-38240 Meylan
France

Contact: Tom Hull

Tel: +33 76 41 42 18 Fax: +33 76 41 42 41

GOSIP Product: SunNet OSI (Transport)

Version/Release: Ver 7.1

Release Date: 01-OCT-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 14-OCT-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0076

SUN Microsystems SPARCstation 2-4/75

SUN O/S 4.1.2 (Solaris 1.0.1)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack: SUNNET OSI Ver 7.1 LLC1 (HW) Sun CPU board
LAN Interface

(802.3)

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: 0357

National Computing Centre Limited

Oxford Road

Manchester M17ED United Kingdom

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 85
 Supplier: SUN Microsystems, Inc. International Centre for Network Computing
 32 Rue du Vieux Chene
 F-38240 Meylan France
 Contact: Tom Hull
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41
 GOSIP Product: SunNet OSI (Transport)
 Version/Release: Ver 7.1
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 25-NOV-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0076
 SUN Microsystems SPARCstation 2-4/75
 SUN O/S 4.1.2 (Solaris 1.0.1)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: SunNet X.25 Ver 7.0.1
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 AND ATS:1-9
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 87
 Supplier: SUN Microsystems, Inc. International Centre for Network Computing
 32 Rue du Vieux Chene F-38240 Meylan
 France
 Contact: Tom Hull
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41
 GOSIP Product: SunNet OSI (Transport)
 Version/Release: Ver 7.1
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 25-NOV-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0076
 SUN Microsystems SPARCstation 2-4/75
 SUN O/S 4.1.2 (Solaris 1.0.1)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: SunNet X.25 Ver 7.0.1
 Underlying Product:
 Protocols and Profiles: 0010
 Transport Class 0 [ISO 8073:1988]
 ATS Used: ATS:1-8
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 217
 Supplier: SUN Microsystems, Inc. International Centre for Network Computing
 32 Rue du Vieux Chene
 F-38240 Meylan France
 Contact: Tom Hull
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41
 GOSIP Product: Sunlink OSI
 Version/Release: Version 8.0 Release Date: 08-AUG-93
 Additional Info: Vendor claims support for all SUN SPARC
 Hardware Platforms
 Registration: PROV, GOSIP Version 2 Date: 25-JAN-94
 Basis: DERIVED Base Products:
 Tested Hardware/Operating System Platforms: 0170
 HW: SparcStation 10 Model 41
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0063
 X.25 PLP/X.25 LAP-B/RS-232C
 Underlying Stack: Sunlink X.25 8.0
 Underlying Product:
 Protocols and Profiles: 0004
 TP4-CLNS/CLNP{ES} & ES-IS{ES}
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
 Rtnng Claimed}
 ATS Used: ATS:2-9 and ATS:2-7
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 106
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUN SPARCstation 10 Model 42 w/SUNLink OSI 8.0
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 01-DEC-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0092
 HW: SPARCstation 10 Model 42
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack:
 AMD, Lance 7990 Ethernet Controller. SUN Solaris 2.1
 Ethernet Driver
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 107
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUN SPARCstation 4/30 w/SUNLink OSI 8.0
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 01-DEC-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0094
 HW: SPARCstation 4/30
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: AMD, Lance 7990 Ethernet Controller. SUN
 Solaris 2.1 Ethernet Driver
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 108
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUN SPARCstation 10 Model 30 w/SUNLink OSI 8.0
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 01-DEC-92 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0095
 HW: SPARCstation 10 Model 30
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack:
 AMD, Lance 7990 Ethernet Controller SUN Solaris 2.1 Ethernet
 Driver
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 109
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUN, RDI BrightLite Model IPX Color Laptop
 Workstation w/SUNLink OSI 8.0
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 01-DEC-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0096
 RDI BrightLite IPX Color Laptop Workstation
 Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: AMD, Lance 7990 Ethernet Controller. SUN
 Solaris 2.1 Ethernet Driver
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 142
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUN SPARCstation 10 Model 41 w/SUNLink OSI 8.0
 Version/Release: Ver 8.0 Release Date: 04-AUG-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 01-DEC-92 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0093
 HW: SPARCstation 10 Model 41
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: AMD, Lance 7990 Ethernet Controller SUN
 Solaris 2.1 Ethernet Driver
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 59
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: CMS 1100/OSITS
 Version/Release: 7R2B+PCR15312/2R1A+PCRs192,193,194,197
 Release Date: 01-MAR-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 01-SEP-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0068
 2200 System and 1100/90 Processors, DCP-15 through DCP-55
 Front End Processors. Operating System OS1100 Exec on
 processor DCP/OS 5R2A, TELCON 9R1A on Front End
 Processors
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: LAN Platform 2R2A, DCP 802.3; LAN Line
 Module Feature #F5137-00
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 AND ATS:1-9
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 71
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: DCP OSITS
 Version/Release: 2R1A, +192-194,197,199,202,203,205,207
 Release Date: 01-MAR-92 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 19-OCT-92 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0078
 DCP-15 through DCP-55 Front End Processors
 DCP/OS Ver 5R2A and TELCON Ver 9R1A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack:
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 AND ATS:1-9
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 72
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: DCP OSITS
 Version/Release: 2R1A + 192-194,197,199,202,203,205,207
 Release Date: 01-MAR-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 19-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0078
 DCP-15 through DCP-55 Front End Processors
 DCP/OS Ver 5R2A and TELCON Ver 9R1A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack:
 Underlying Product:
 Protocols and Profiles: 0010
 Transport Class 0 [ISO 8073:1988]
 ATS Used: ATS:1-8
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 73
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: DCP OSITS
 Version/Release: 2R1A + 192-194,197,199,202,203,205,207
 Release Date: 01-MAR-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 19-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0078
 DCP-15 through DCP-55 Front End Processors
 DCP/OS Ver 5R2A and TELCON Ver 9R1A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: LAN Platform 2R2A, DCP 802.3 LAN Line Module,
 Feature
 #F5137-00
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 AND ATS:1-9
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 81
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: CMS 1100/OSITS Ver 7R2B + PCR 15312, 192-194,
 197, 199, 202, 203, 205, 207
 Version/Release: Rel 2R1A Release Date: 01-MAR-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2 Date: 16-OCT-92
 Basis: DERIVED Base Products:
 Tested Hardware/Operating System Platforms: 0082
 OS1100 Exec. Ver 43R2 running on 2200 systems and 1190/90
 Processors DCP-15 through DCP-55 Front End Processors, O/S
 OS1100 Exec. on Processors DCP/OS 5R2A, Telcon 9R1A on
 Front End Processors
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: X.25 PSCS Ver 51RA plus PCRs 1891-1899,
 1902, 1911, 1923, 1929.
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 AND ATS:1-9
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 133
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102
 Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172
 GOSIP Product: A-Series CP2000 OSI-IPC Software
 Version/Release: Ver 30.00.199
 Release Date: 11-DEC-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 05-FEB-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0121
 Mainframe: A6 (TP4), FEP: CP2000 (CLNP)
 O/S Mainframe: A-Series System Software, Ver 4.0 (TP4)
 FEP: CP2000 Operating Software, V3.0 (CLNP)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack: S/W: CP2000 O/S V3.0; H/W: CP2000 with LMH
 Card
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 136
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102
 Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172
 GOSIP Product: A-Series/CP2000 OSI-IPC Software, Unisys Product
 113/P4.3
 Version/Release: Ver 30.00.200 Release Date: 05-JAN-93
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 26-FEB-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0124
 A-Series Processor
 A-Series System Software, Version 4.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: CP2000 X.25, Ver 30.00.192, 30-SEP-92
 Underlying Product:
 Protocols and Profiles: 0010
 Transport Class 0 [ISO 8073:1988]
 ATS Used: ATS:1-8
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 137
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102
 Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172
 GOSIP Product: A-Series/CP2000 OSI-IPC Software
 Version/Release: Ver 30.00.200
 Release Date: 05-JAN-93
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 16-FEB-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0124
 A-Series Processor
 A-Series System Software, Version 4.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: CP2000 X.25, Ver 30.00.192, 30-SEP-92
 Underlying Product:
 Protocols and Profiles: 0011
 Transport Class 4-CONS [ISO 8073:1988]
 ATS Used: ATS:1-9
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 145
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102
 Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172
 GOSIP Product: A-Series/CP2000 OSI-IPC Software
 Version/Release: Ver 30.00.199 Release Date: 11-DEC-92
 Additional Info:
 Registration: PROV, Grndfthrd, V1->V2
 Date: 16-FEB-93
 Basis: DERIVED Base Products:
 Tested Hardware/Operating System Platforms: 0133
 H/W: Mainframe: A6 (TP4), FEP: CP2000 (CLNP)
 O/S: Mainframe: A-Series System Software, Ver 4.0
 (TP4), FEP: CP2000 Operating Software, Ver 3.0
 (CLNP)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack: CP2000 X.25 Ver 30.00.192, 30-SEP-92
 Underlying Product:
 Protocols and Profiles: 0003
 TP4-CLNS/CLNP{ES}
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 ATS Used: ATS:1-7 and ATS:1-9
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 171
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: DCP OSITS
 Version/Release: 2R1A, +192-194,197,199,202,203,205,207
 Release Date: 01-MAR-92
 Additional Info: None
 Registration: PROV, Grndfthrd, V1->V2
 Date: 19-OCT-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0078
 DCP-15 through DCP-55 Front End Processors
 DCP/OS Ver 5R2A and TELCON Ver 9R1A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack:
 Underlying Product:
 Protocols and Profiles: 0011
 Transport Class 4-CONS [ISO 8073:1988]
 ATS Used: ATS:1-9
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 239
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102
 Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172
 GOSIP Product: CMS-1100
 Version/Release: Version 7R3A, PCR 16961
 Release Date: 22-NOV-93
 Additional Info: Tested hardware platform is 2200/200. Vendor
 claims compatible hardware as listed.
 Registration: PROV, GOSIP Version 2
 Date: 23-MAR-94
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0199
 H/W: 2200/200 through 2200/900
 O/S: OS1100 SB4R6
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0107
 LLC1{802.2}/MAC{802.3}/10Base5
 Underlying Stack: CMS-1100
 Underlying Product:
 Protocols and Profiles: 0004
 TP4-CLNS/CLNP{ES} & ES-IS{ES}
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn
 Rtnng Claimed}
 ATS Used: ATS:2-9.2 & ATS:2-7
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-005 Session Product ID: 229
 Supplier: Bull Information Systems, Inc.
 13430 North Black Canyon
 Phoenix, AZ 85029
 Contact: Tom Cody
 Tel: (602) 862-5114 Fax: NONE
 GOSIP Product: DPX/20 AIX 3 Stack B (Session)
 Version/Release: Version 1.0 Release Date: 01-MAY-93
 Additional Info: Verified for use only in support of FTAM. Tested
 hardware platform is DPX/20 Model 400. Vendor claims
 hardware compatibility as listed.
 Registration: PROV, GOSIP Version 2
 Date: 08-MAR-94
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0195
 H/W: DPX/20 Models 100, 400, 600, & 800
 O/S: AIX Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: DPX/20 AIX 3 Stack B
 Underlying Product: 230
 Protocols and Profiles: 0089
 Session
 Session [ISO 8327:1987]
 ATS Used: ATS:2-10.1
 Conformance Lab: 0370
 Conformance Expert Center for OSI Bull - CECOB
 Rue Jean Jaures, B.P. 68
 78340 Les Clayes/Bois France

GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 154
 Supplier: Control Data Systems, Incorporated
 4201 North Lexington Avenue
 Arden Hills, MN 55126-6198
 Contact: B. Sekhon
 Tel: (612) 482-3868 Fax: (612) 482-2791
 GOSIP Product: MAIL*HUB MHS/4000
 Version/Release: Ver 2.0.1
 Release Date: 29-JAN-93
 Additional Info: This product does not support MTA Relaying
 Registration: PROV, GOSIP Version 1
 Date: 04-MAY-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0144
 Control Data CD 4000 Series
 EP/IX 2.0.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: Control Data EP/IX Access and Directory V 1.4.2
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15
 Conformance Lab: 0354
 Control Data Corporation, OSI Accredited Test Center
 4201 North Lexington Avenue
 Arden Hills, MN 55126-6198

Product Code/Type: P-006 MHS Product ID: 110
 Supplier: Data General Corporation
 4400 Computer Drive, MS/D216
 Westborough, MA 01580
 Contact: Charles Stakus
 Tel: (508) 870-6392 Fax: (508) 898-4694
 GOSIP Product: X.400 for AViiON Sys (X.400 for AViiON Sys/3.0)
 (OSI for AViiON)
 Version/Release: Ver 3.10 Release Date: 01-AUG-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 01-DEC-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0091
 AViiON Series 5000, VSC Synchronous Comms Controller,
 O/S, DG/UX Rel. 5.4.1, AV/X.25 Rel. 2.2.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: OSI/Platform for AViiON System Ver 3.0 [TP0].
 X.25 for AViiON System Ver 2.20
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 and ATS:1-14
 Conformance Lab: 0391
 Data General Corporation, OSI Conformance Test Center
 4400 Computer Drive, MS/D216
 Westborough, MA 01580

Product Code/Type: P-006 MHS Product ID: 223
 Supplier: Data General Corporation
 4400 Computer Drive
 Westboro, MA 01580
 Contact: Peter Conway
 Tel: (508) 898-7176 Fax: (508) 898-4212
 GOSIP Product: OpenMail for AViiON Systems
 Version/Release: Version A.01.01.eo, Rev. 1.00
 Release Date: 01-OCT-93
 Additional Info: Must use with X.400 for AViiON Systems,V
 3.30,01-OCT-93(P1/ RTS/SESSION) Product tested on Model
 AViiON AV8500 HW Platform, Vendor claims spt for HW as listed
 Registration: FULL, GOSIP Version 2 Date: 25-FEB-94
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0190
 H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
 AV8000, AV85000, AV9000
 O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004 TP4-CLNS/CLNP/LAN
 Underlying Stack: X.400 for AViiON Systems, Version 3.30,
 01-OCT-93 and OSI/ Platform for AViiON
 Systems, Version 3.30, 01-OCT-93
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:2-13.4
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 224
 Supplier: Data General Corporation
 4400 Computer Drive
 Westboro, MA 01580
 Contact: Peter Conway
 Tel: (508) 898-7176 Fax: (508) 898-4212
 GOSIP Product: X.400 for AViiON Systems
 Version/Release: Version 3.30 Release Date: 01-OCT-94
 Additional Info: Product tested on Model AViiON AV8500 hardware
 platform. Vendor claims support for other hardware platforms
 as listed.
 Registration: FULL, GOSIP Version 2 Date: 25-FEB-94
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0190
 H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,
 AV8000, AV85000, AV9000
 O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: OSI/Platform for AViiON Systems, Version 3.30,
 01-OCT-93
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:2-13.3, ATS:2-13.2, and ATS:2-13.1
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 225
 Supplier: Data General Corporation
 4400 Computer Drive
 Westboro, MA 01580
 Contact: Peter Conway
 Tel: (508) 898-7176 Fax: (508) 898-4212
 GOSIP Product: OpenMail for AViiON Systems
 Version/Release: Version A.01.01.eO, Rev. 1.00
 Release Date: 01-OCT-93
 Additional Info: Must use with X.400 for AViiON Systems, Version 3.30, 01-OCT-93 (P1/RTS/Session). Product tested on Model AViiON AV8500 H/W platform. Compatible HW as listed.
 Registration: PROV, GOSIP Version 2 Date: 03-MAR-94
 Basis: DERIVED Base Products: 223, 224
 Tested Hardware/Operating System Platforms: 0172
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000, AV8500, AV9000
 OS: DG/UX System for AViiON Computers, Revision 5.4R2.10
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: X.400 for AViiON Systems, Version 3.30, 01-OCT-93; OSI/Platform for AViiON Systems, Version 3.30, 01-OCT-93; X.25 for AViiON Systems, Version 2.4, 01-OCT-93
 Underlying Product: 207 & 204
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:2-13.5, ATS:2-13.2, ATS:2-13.3, & ATS:2-13.4
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 139
 Supplier: Digital Equipment Corporation
 P.O. Box 121
 Worton Grange, Reading, Berks RG2 0TE
 United Kingdom
 Contact: Richard Duhamel
 Tel: (508) 486-5021 Fax: (508) 486-7417
 GOSIP Product: VAX Message Router X.400 Gateway
 Version/Release: Ver 2.2G Release Date: 18-DEC-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1 Date: 11-MAR-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0128
 MicroVAX 3400
 VAX/VMS Ver 5.4 & 5.5
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: DECNet-VAX (TM) Extensions Ver5.4A (TD1111)
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 AND ATS:1-14
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS Product ID: 138
 Supplier: Encore Computing Corporation
 6901 West Sunrise Boulevard
 Ft. Lauderdale, FL 33313-4499
 Contact: Augie Gonzales
 Tel: (305) 587-2900 Fax: (305) 797-5807
 GOSIP Product: EnComm X.400
 Version/Release: Ver 2.0.1
 Release Date: 01-JAN-93
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 11-MAR-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0067
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: EnComm ISO Transport Services, Rev 3.0.0 [TP0]. EnComm X.25 Rev 3.0 (x.25)
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 191
 Supplier: Enterprise Solutions Limited
 32603 Bowman Knoll Drive
 Westlake Village, CA 91361
 Contact: Barry Sandever
 Tel: (818) 597-8943 Fax: (818) 595-9621
 GOSIP Product: Enterprise Mail User Agent
 Version/Release: Version 2.11
 Release Date: 01-MAY-93
 Additional Info: Must be used w NCR StarPRO Message Central 400, Ver 2.0, 01-MAR-93. This combination of products provides set of MHS: P2, P1, RTS, & embedded Session protocols
 Registration: PROV, GOSIP Version 1
 Date: 17-SEP-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0063
 HW: NCR System 3000 consisting of the following hardware models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600 OS: NCR UNIX SVR4, (MP-RAS), Rel 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0082
 TP4-CLNS/CLNP/LAN
 Underlying Stack: NCR UNIX OSI Network Services, Version 2.00.02
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14, ATS:1-15
 Conformance Lab: 0363
 Corporation for Open Systems International Test Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 13
 Supplier: Hewlett-Packard Company
 19420 Homestead Road
 Cupertino, CA 95014-9810
 Contact: Murali Subbarao
 Tel: (408) 447-2822 Fax: (408) 447-3660
 GOSIP Product: HP X.400/9000 P/N HP32032A; (X.400 Interface)
 HP OpenMail, P/N B1600A
 Version/Release: Ver C.02.00; Ver A.00.02.03
 Release Date: 10-JUN-91
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 19-AUG-91
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0014
 HP 9000 Series 800/HP-UX Operating System, Ver 8.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: HP OSI Transport Services/9000 Series 800
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
 Conformance Lab: 0365
 Hewlett-Packard Company, OSI Conformance Test Center
 19420 Homestead Road, MS 43UJ
 Cupertino, CA 95014-9810

Product Code/Type: P-006 MHS Product ID: 141
 Supplier: IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy
 Contact: Alberto Sinibaldi
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467
 GOSIP Product: X.400 PROFS Connection
 Version/Release: V1R3
 Release Date: 01-JUN-91
 Additional Info: Must be used with Open Network Distribution
 Services, V1R1, 01-OCT-90, & OSI/Communications Subsystem,
 V1R1.1, 01-DEC-90
 Registration: PROV, GOSIP Version 1
 Date: 19-MAR-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0037
 HW: IBM Systems 370/390
 OS: IBM VM/ESA Ver 1 Rel 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: OSI/Communications Subsystem Ver 1 Rel 1.1
 IBM NCP Packet Switching Interface
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
 Conformance Lab: 0392
 IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

Product Code/Type: P-006 MHS Product ID: 194
 Supplier: IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy
 Contact: Alberto Sinibaldi
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467
 GOSIP Product: Open Network Distribution Services
 Version/Release: Version 1 Release 1
 Release Date: 01-OCT-90
 Additional Info: Must be used with OSI/Communications
 Subsystem, V1R1.1, 01-DEC-90, to provide the P1/RTS and
 Embedded Session protocols
 Registration: PROV, GOSIP Version 1
 Date: 15-OCT-93
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0036
 (1) HW: IBM Systems 370/390
 (1) OS: IBM MVS/ESA Ver 3 Rel 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: OSI/Communications Subsystem, V1R1.1,
 01-DEC-90, and IBM NCP Packet Switching Interface
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 and ATS:1-14
 Conformance Lab: 0392
 IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

Product Code/Type: P-006 MHS Product ID: 195
 Supplier: IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy
 Contact: Alberto Sinibaldi
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467
 GOSIP Product: X.400 DISOSS Connection
 Version/Release: Version 1 Release 2
 Release Date: 01-MAR-91
 Additional Info: Must be used with Open Network Distribution
 Services, V1R1, 01-OCT-90, and OSI/Communications
 Subsystem, V1R1.1, 01-DEC-90
 Registration: PROV, GOSIP Version 1
 Date: 13-OCT-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0036
 (1) HW: IBM Systems 370/390
 (1) OS: IBM MVS/ESA Ver 3 Rel 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0100
 MHS {P1, RTS}/Session/TP0/WAN
 Underlying Stack: Open Network Distribution Services, V1R1,
 01-OCT-90, OSI/Communications Subsystem V1R1.1,
 01-DEC-90, and IBM NCP Packet Switching Interface
 Underlying Product:
 Protocols and Profiles: 0078
 MHS [X.400:1984] {P2}
 ATS Used: ATS:1-15
 Conformance Lab: 0392
 IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 155
 Supplier: International Business Machines Corporation
 3605 Highway 52 North
 Rochester, MN 55901
 Contact: Michael Sullivan
 Tel: (39-06)5187 2517 Fax: (39-06)51872467
 GOSIP Product: IBM OSI Message Services/400
 Version/Release: Ver 2 Rel 1.1
 Release Date: 01-MAR-92
 Additional Info: Must be used with OSI Communications
 Subsystem/400 Ver 2 Rel 1.1 01-MAR-92
 Registration: PROV, GOSIP Version 1 Date: 04-MAY-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0140
 AS/400
 IBM OS/400 Ver 2 Rel 1.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack:
 TP0: IBM OSI Communication Subsystem/400 V2 R1.1 WAN:
 IBM AS/400 X.25 Communication Support Program V2 R1.1
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15
 Conformance Lab: 0392
 IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

Product Code/Type: P-006 MHS Product ID: 114
 Supplier: NCR Network Products Division
 9900 Old Grove Road
 San Diego, CA 92131
 Contact: Rolf Krause
 Tel: (619) 693-5788 Fax: (619) 693-5705
 GOSIP Product: NCR StarPRO Message Central 400
 Version/Release: Ver 2.0
 Release Date: 01-MAR-93
 Additional Info: This Product also registered for TP4 over LAN
 (Product ID 115)
 Registration: PROV, GOSIP Version 1
 Date: 29-DEC-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0063
 HW: NCR System 3000 consisting of the following hardware
 models: 3320, 3340, 3345, 3447, 3450, 3550, and OS: NCR
 UNIX SVR4, (MP-RAS), Rel 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: NCR UNIX OSI Network Services, Ver 2.01
 (Product ID 83)
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 AND ATS:1-14
 Conformance Lab: 0363
 Corporation for Open Systems International Test Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

Product Code/Type: P-006 MHS Product ID: 115
 Supplier: NCR Network Products Division
 9900 Old Grove Road
 San Diego, CA 92131
 Contact: Rolf Krause
 Tel: (619) 693-5788 Fax: (619) 693-5705
 GOSIP Product: NCR StarPRO Message Central 400
 Version/Release: Ver 2.0 Release Date: 01-MAR-93
 Additional Info: This Product also registered for TP0 over WAN
 (Product ID 114)
 Registration: PROV, GOSIP Version 1
 Date: 29-DEC-92
 Basis: DERIVED Base Products:
 Tested Hardware/Operating System Platforms: 0063
 HW: NCR System 3000 consisting of the following hardware
 models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600
 OS: NCR UNIX SVR4, (MP-RAS), Rel 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: NCR UNIX OSI Network Services, Ver 2.00.02
 (TP4/CLNP, Product ID 51)
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 AND ATS:1-14
 Conformance Lab: 0363
 Corporation for Open Systems International Test Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

Product Code/Type: P-006 MHS Product ID: 123
 Supplier: Retix
 2401 Colorado Avenue
 Santa Monica, CA 90404
 Contact: Jeff Stone
 Tel: (310) 828-3400 Fax: (310) 828-2255
 GOSIP Product: Retix User Agent Model MH-423, Retix OpenServer
 Model MH-4430
 Version/Release: Ver 1.41
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 06-JAN-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0108
 Test platform was a Tatung (Intel 386), with a Western Digital
 8003 for 802.3 O/S SCO Ver 4.0 (UNIX V Rel 3.2) Vendor claims
 all Intel 386 and 486 based platforms using stated O/S
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: Retix LT-610, Ver 2.3.0 (TP4/CLNP/LAN)
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 124
 Supplier: Retix
 2401 Colorado Avenue
 Santa Monica, CA 90404
 Contact: Jeff Stone
 Tel: (310) 828-3400 Fax: (310) 828-2255
 GOSIP Product: Retix User Agent Model MH-423, Retix
 OpenServer Model MH-4420
 Version/Release: Ver 1.41 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 06-JAN-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0109
 Test platform was Alpha Systems Lab (Intel 486), with Western
 Digital 8003 for 802.3 O/S Sunsoft's Interactive UNIX (Ver 3.2),
 Version 3.0 Vendor claims all Intel 80386 and 80486 based
 platforms using stated O/S
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: Retix LT-610, Ver 2.3.0 (TP4/CLNP/LAN)
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS Product ID: 67
 Supplier: SUN Microsystems, Inc. International Centre for Network
 Computing
 32 Rue du Vieux Chene
 F-38240 Meylan France
 Contact: Tom Hull
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41
 GOSIP Product: SUNNET MHS Gateway
 Version/Release: Ver 7.1
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 14-OCT-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0074
 SUN 4, Station 2-4/75
 SUN O/S 4.0.3, 4.1, 4.1.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SunNet OSI Ver 7.1 Rel 1
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 and ATS:1-14
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS Product ID: 84
 Supplier: SUN Microsystems, Inc. International Centre for Network
 Computing
 32 Rue du Vieux Chene
 F-38240 Meylan France
 Contact: Tom Hull
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41
 GOSIP Product: SUNNET MHS
 Version/Release: Ver 7.1
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 25-NOV-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0074
 SUN 4, Station 2-4/75
 SUN O/S 4.0.3, 4.1, 4.1.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: SunNet X.25, Ver 7.0.1 Rel 1
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 AND ATS:1-14
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS Product ID: 118
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SunLink OSI
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0103
 SUN, SPARCstation 10 model 30
 - MAC H/W - AMD, Lance 7990 Ethernet Controller
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris
 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 AND ATS:1-14
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 119
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SunLink OSI
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0104
 SUN, SPARCstation 10 Model 42
 - MAC H/W - AMD, Lance 7990 Ethernet Controller
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 AND ATS:1-14
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 120
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SunLink OSI
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0105
 SUN, SPARCstation 10 Model 41
 - MAC H/W - AMD, Lance 7990 Ethernet Controller
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 AND ATS:1-14
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 121
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SunLink OSI
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0106
 SUN, SPARCstation 4/30
 - MAC H/W - AMD, Lance 7990 Ethernet Controller
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 AND ATS:1-14
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 122
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SunLink OSI
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0107
 RDI BRIGHTLITE Model IPX Color Laptop Workstation
 - MAC H/W - AMD, Lance 7990 Ethernet Controller
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)
 Underlying Product:
 Protocols and Profiles: 0050
 MHS-84 Relay/(Session)
 MHS-84 Relay [X.400:1984] {P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13 AND ATS:1-14
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 61
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: OS1100 OSI-MHS DDP-PPC: 5RIA & PCR 987
 Version/Release: Ver OSI-HS 2R1B
 Release Date: 06-MAY-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 10-SEP-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0070
 1100/90 and 2200 Series Processors, OS1100 Exec. Ver 43R2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: CMS 1100 7R2B + PCR 15312(TP4). OSITS
 2RIA + PCR 192, 193, 194, 197 CMS 1100 7R2B + PCR 15312
 (CLNP). DCP 802.3 LAN Line Module (LAN)
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-006 MHS Product ID: 74
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: DDP-PPC & OS 1100 OSI-MHS
 Version/Release: Ver DDP-PPC 5RIA + PCR 987
 Release Date: 30-MAR-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 16-OCT-92
 Basis: DERIVED Base Products:
 Tested Hardware/Operating System Platforms: 0079
 Model 1100/90 or any 2200 System using OS1100 EXEC Ver
 43R2 and DCP-15 through DCP-55 using DCP/OS Ver 5R2A and
 TELCON Ver 9R1A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0085
 TP4-CLNS/CLNP/WAN or TP4-CONS/WAN or TP0/WAN
 Underlying Stack: A-Series/CP2000 OSI-IPC Ver 30.00.199
 (TP4/CLNP). [ISO 8208] X.25 DCP OSITS, Ver 2RIA(TP4). [ISO
 8208] X.25 CMS 1100/OSITS Ver 7R2B(TP0). [ISO 8208] X.25
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-006 MHS Product ID: 149
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102
 Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172
 GOSIP Product: A-Series OSI-MHS
 Version/Release: 2.0.048 Release Date: 17-DEC-92
 Additional Info: Used in conjunction with A-Series/CP2000 OSI-IPC
 Software, Version 30.00.199, 11-Dec-92.
 Registration: PROV, GOSIP Version 1
 Date: 04-MAY-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0143
 A-Series/CP2000
 - A-Series System Software Ver 4.0
 - CP2000 Operating Software Ver 3.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: A-Series/CP2000 OSI-IPC (TP4-CLNS/CLNP).
 CP2000 Operating Software (LAN)
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14, ATS:1-15
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-006 MHS Product ID: 163
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102
 Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172
 GOSIP Product: A-Series OSI-MHS
 Version/Release: Ver 2.0.048 Release Date: 17-DEC-92
 Additional Info: In conjunction with A-Series CP/2000 OSI-IPC
 Software Ver 30.00.200, Rel 05-JAN-93
 Registration: PROV, GOSIP Version 1 Date: 18-JUN-93
 Basis: DERIVED Base Products:
 Tested Hardware/Operating System Platforms: 0143
 A-Series/CP2000
 - A-Series System Software Ver 4.0
 - CP2000 Operating Software Ver 3.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0088
 TP4-CONS/WAN
 TP0/WAN
 Underlying Stack: A-Series/CP2000 OSI-IPC Software/CP2000 X.25;
 A-Series/CP2000 OSI-IPC Unisys Product 113/P4.3
 Underlying Product:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 231
 Supplier: Bull Information Systems, Inc.
 13430 North Black Canyon
 Phoenix, AZ 85029
 Contact: Tom Cody
 Tel: (602) 862-5114 Fax: NONE
 GOSIP Product: FTAMX
 Version/Release: Version 4.0
 Release Date: 01-OCT-93
 Additional Info:
 Registration: PROV, GOSIP Version 2
 Date: 07-MAR-94
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0195
 H/W: DPX/20 Models 100, 400, 600, & 800
 O/S: AIX Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0057
 Session/TP4-CLNS/CLNP/LAN
 Underlying Stack: DPX/20 AIX 3 Stack B Version 1
 Underlying Product:
 Protocols and Profiles: 0090
 FTAM/(ACSE)/(Presentation)
 FTAM [ISO 8571:1988] {T1, M1, T2, A1}
 FTAM ACSE [ISO 10607-1:1990]
 FTAM Presentation [ISO 10607-1:1990] {ASN.1}
 ATS Used: ATS:2-16.2,ATS:2-16.6,ATS:2-16.7,ATS:2-16.8,
 ATS:2-16.9,ATS:2-16.10,&ATS:2-16.11
 Conformance Lab: 0355
 Bull HN Conformance Test Center
 13430 N Black Canyon Hwy, P.O. Box 8000
 Phoenix, AZ 85029

Product Code/Type: P-007 FTAM Product ID: 232
 Supplier: Bull Information Systems, Inc.
 13430 North Black Canyon
 Phoenix, AZ 85029
 Contact: Tom Cody
 Tel: (602) 862-5114 Fax: NONE
 GOSIP Product: DPX/20 AIX 3 Stack B
 Version/Release: Version 1.0
 Release Date: 01-MAY-93
 Additional Info:
 Registration: PROV, GOSIP Version 2 Date: 08-MAR-94
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0195
 H/W: DPX/20 Models 100, 400, 600, & 800
 O/S: AIX Version 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0057
 Session/TP4-CLNS/CLNP/LAN
 Underlying Stack: DPX/20 AIX 3 Stack B Version 1
 Underlying Product:
 Protocols and Profiles: 0090
 FTAM/(ACSE)/(Presentation)
 FTAM [ISO 8571:1988] {T1, M1, T2, A1}
 FTAM ACSE [ISO 10607-1:1990]
 FTAM Presentation [ISO 10607-1:1990] {ASN.1}
 ATS Used: ATS:2-16.2,ATS:2-16.6,ATS:2-16.7,ATS:2-16.8,
 ATS:2-16.9,ATS:2-16.10,&ATS:2-16.11
 Conformance Lab: 0355
 Bull HN Conformance Test Center
 13430 N Black Canyon Hwy, P.O. Box 8000
 Phoenix, AZ 85029

Product Code/Type: P-007 FTAM Product ID: 113
 Supplier: Bull Information Systems, Incorporated
 13430 North Black Canyon Highway
 Phoenix, AZ 85029
 Contact: Oscar Hefner
 Tel: (602) 862-6001 Fax: (602) 862-6051
 GOSIP Product: FTAMX
 Version/Release: Ver 02.01.06
 Release Date: 01-AUG-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 18-DEC-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0087
 DPX/2 200, O/S B.O.S. 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0057
 Session/TP4-CLNS/CLNP/LAN
 Underlying Stack: LT-610, Bull Information Systems
 Underlying Product:
 Protocols and Profiles: 0052
 FTAM [ISO 8571:1988] {T1, M1}
 ATS Used: ATS:1-16
 Conformance Lab: 0370
 Conformance Expert Center for OSI Bull - CECOB
 Rue Jean Jaures, B.P. 68
 78340 Les Clayes/Bois France

Product Code/Type: P-007 FTAM Product ID: 90
 Supplier: Data General Corporation
 4400 Computer Drive, MS/D216
 Westborough, MA 01580

Contact: Charles Stakus
 Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: FTAM For AViiON Systems
 Version/Release: Ver 3.10
 Release Date: 01-AUG-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 13-NOV-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0053
 AViiON 5000/6000 Series
 DG/UX System for AViiON Systems Rev. 5.4.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0057
 Session/TP4-CLNS/CLNP/LAN
 Underlying Stack: OSI/Platform for AViiON Systems
 Underlying Product:
 Protocols and Profiles: 0052
 FTAM [ISO 8571:1988] {T1, M1}
 ATS Used: ATS:1-16
 Conformance Lab: 0391
 Data General Corporation, OSI Conformance Test Center
 4400 Computer Drive, MS/D216
 Westborough, MA 01580

GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 205
 Supplier: Data General Corporation
 4400 Computer Drive
 Westboro, MA 01580
 Contact: Peter Conway
 Tel: (508) 898-7176 Fax: (508) 898-4212
 GOSIP Product: FTAM for AViiON Systems
 Version/Release: Version 3.30 Release Date: 01-OCT-93
 Additional Info:
 Registration: PROV, GOSIP Version 2 Date: 15-DEC-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0172
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,
 AV8500, AV9000
 OS: DG/UX System for AViiON Computers, Revision 5.4R2.10
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: OSI/Platform for AViiON Systems
 Underlying Product:
 Protocols and Profiles: 0079
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1, M1}
 FTAM ACSE [ISO 10607-1:1990]
 FTAM Presentation [ISO 10607-1:1990] {ASN.1}
 FTAM Session [ISO 10607-1:1990]
 ATS Used: ATS:2-16.12, ATS:2-16.10, ATS:2-16.11, ATS:2-16.9,
 ATS:2-16.2, ATS:2-16.6
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 130
 Supplier: Digital Equipment Corp
 550 King Street
 Littleton, MA 01460-1289
 Contact: Richard Duhamel
 Tel: (508) 486-5021 Fax: (508) 486-7417
 GOSIP Product: DECnet/OSI for OpenVMS
 Version/Release: Ver V5.5
 Release Date: 09-NOV-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 13-JAN-93
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0114
 Digital VAX
 VMS Ver 5.5
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0057
 Session/TP4-CLNS/CLNP/LAN
 Underlying Stack:
 DECNet - OSI for Open VMS VAX Ver 5.5/VOTS Ver 3.0A
 Underlying Product:
 Protocols and Profiles: 0057
 FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol
 ATS Used: ATS:1-16
 Conformance Lab: 0362
 Digital Equipment Corporation, OSI Conformance
 Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

Product Code/Type: P-007 FTAM Product ID: 220
 Supplier: Data General Corporation
 4400 Computer Drive
 Westboro, MA 01580
 Contact: Peter Conway
 Tel: (508) 898-7176 Fax: (508) 898-4212
 GOSIP Product: FTAM AViiON Systems
 Version/Release: Version 3.30 Release Date: 01-OCT-93
 Additional Info: Model AV8500 tested. Vendor claims support for
 other hardware models as listed.
 Registration: PROV, GOSIP Version 2 Date: 08-FEB-94
 Basis: DERIVED Base Products:
 Tested Hardware/Operating System Platforms: 0172
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,
 AV8500, AV9000
 OS: DG/UX System for AViiON Computers, Revision 5.4R2.10
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0069
 TP4-CLNS/CLNP/WAN
 Underlying Stack: OSI Platform for AViiON Systems
 Underlying Product:
 Protocols and Profiles: 0079
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1, M1}
 FTAM ACSE [ISO 10607-1:1990]
 FTAM Presentation [ISO 10607-1:1990] {ASN.1}
 FTAM Session [ISO 10607-1:1990]
 ATS Used: ATS:2-16.2
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 53
 Supplier: Digital Equipment Corporation
 550 King Street
 Littleton, MA 01460-1289
 Contact: Ladan Porooshani
 Tel: (508) 486-7123 Fax:
 GOSIP Product: DECNET-VAX (TM) Extensions Ver 5.4A/VAX FTAM
 Ver 2.0A
 Version/Release: Ver 2.0A
 Release Date: 01-MAR-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 16-AUG-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0065
 Digital VAX with VMS V5.4 and DECNET-VAX V5.4 Extensions
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: DECNet - OSI for OpenVMS VAX V5.5/VOTS V3.0A
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0362
 Digital Equipment Corporation, OSI Conformance
 Interoperability Test Center
 550 King Street, MS LKG2A/R5
 Littleton, MA 01460-1289

GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 63
 Supplier: Encore Computing Corporation
 6901 West Sunrise Boulevard
 Ft. Lauderdale, FL 33313-4499
 Contact: Augie Gonzales
 Tel: (305) 587-2900 Fax: (305) 797-5807
 GOSIP Product: EnComm FTAM
 Version/Release: Ver 2.0.1
 Release Date: 01-SEP-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 23-SEP-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0067
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: Encore Infinity 90 Series GPIO I
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 32
 Supplier: Hewlett-Packard Company
 19420 Homestead Road
 Cupertino, CA 95014-9810
 Contact: Murali Subbarao
 Tel: (408) 447-2822 Fax: (408) 447-3660
 GOSIP Product: HP FTAM/9000 Series 800
 Version/Release: Ver C.02.03
 Release Date: 10-JUN-91
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 30-JAN-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0047
 HP9000 Series 800 computers which support LAN/9000 link
 product; HP-UX Operating System, Version 8.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: Unknown. Documentation was not retained.
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0365
 Hewlett-Packard Company, OSI Conformance Test Center
 19420 Homestead Road, MS 43UJ
 Cupertino, CA 95014-9810

Product Code/Type: P-007 FTAM Product ID: 135
 Supplier: IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy
 Contact: Alberto Sinibaldi
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467
 GOSIP Product: IBM AIX OSI MESSAGING AND FILING / 6000
 Version/Release: Ver 1
 Release Date: 01-DEC-90
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 25-FEB-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0123
 IBM AIX/6000, Ver 3.1.5, O/S RISC System 6000
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: None
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0392
 IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

Product Code/Type: P-007 FTAM Product ID: 166
 Supplier: IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy
 Contact: Alberto Sinibaldi
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467
 GOSIP Product: IBM OSI/File Services
 Version/Release: Version 1 Release 1 Release Date: 01-JUN-90
 Additional Info: Must be used with OSI/Communications
 Subsystem Version 1 Release 1.1, 01-DEC-90
 Registration: PROV, GOSIP Version 1
 Date: 24-JUN-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0036
 (1) HW: IBM Systems 370/390
 (1) OS: IBM MVS/ESA Ver 3 Rel 1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0081
 TP4-CONS/WAN
 Underlying Stack:
 IBM OSI/Communications Subsystem V1R1.1 IBM X.25 NCP
 Packet Switching Interface V3R4
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0392
 IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 215
 Supplier: International Business Machines Corporation
 Via Paolo Di Dono, 44
 Rome 00143 Italy
 Contact: Alberto Sinibaldi
 Tel: (39-6)596-62281 Fax: (39-6)596-62467
 GOSIP Product: OSI File Services/400
 Version/Release: Version 2 Release 3 Release Date: 01-DEC-93
 Additional Info: Must be used with OSI Communications
 Subsystem/400, Version 2 Release 3, December 1993
 Registration: PROV, GOSIP Version 1 Date: 13-JAN-94
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0179
 HW: AS/400 OS: OS/400 Version 2 Release 3
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: OSI Communications Subsystem/400, Version 2
 Release 3, December 1993 and AS/400 X.25 Communication
 Support, Version 2 Release 3, GOSIP Product ID: 183
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0392
 IBM Rome Networking Systems Laboratory
 Via Paolo Di Dono 44
 00143 Rome Italy

Product Code/Type: P-007 FTAM Product ID: 48
 Supplier: Novell Incorporated
 2180 Fortune Drive
 San Jose, CA 95131
 Contact: Jan Provan
 Tel: (408) 473-8422 Fax: (408) 433-9827
 GOSIP Product: NETWARE FTAM
 Version/Release: Ver 1.2 Rev B Release Date: 20-APR-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1 Date: 24-JUN-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0057
 FTAM Initiator Hub and Responder
 AST Premium 386/33; Netware 3.11; Novell Ethernet Card
 FTAM Initiator Executable
 AST Premium 386/33; DOS 3.3; Novell NE2000 Ethernet Card
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: Unknown. Documentation was not retained.
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 52
 Supplier: NCR
 9900 Old Grove Road
 San Diego, CA 92131
 Contact: Wendy Morrison
 Tel: (619) 693-5665 Fax: (619) 693-5705
 GOSIP Product: NCR OSI STAR PRO FTAM
 Version/Release: Ver 2.00.00 Release Date: 01-JUL-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1 Date: 07-AUG-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0063
 HW: NCR System 3000 consisting of the following hardware
 models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600
 OS: NCR UNIX SVR4, (MP-RAS), Rel 2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: Product ID# 51: NCR UNIX OSI Network
 Services, Ver 2.00.02
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0363
 Corporation for Open Systems International Test Center
 8260 Willow Oaks Corp Drive, Suite 700
 Fairfax, VA 22031

Product Code/Type: P-007 FTAM Product ID: 126
 Supplier: Retix
 2401 Colorado Avenue
 Santa Monica, CA 90404
 Contact: Jeff Stone
 Tel: (310) 828-3400 Fax: (310) 828-2255
 GOSIP Product: Retix FTAM Model FT-820
 Version/Release: Ver 1.80
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 21-JAN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0111
 Intel 486 Alpha Systems Lab
 UNIX System V Rel 3.2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0057
 Session/TP4-CLNS/CLNP/LAN
 Underlying Stack: Retix LT-610
 Underlying Product:
 Protocols and Profiles: 0057
 FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol
 ATS Used: ATS:1-16
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 134
 Supplier: Retix
 2401 Colorado Avenue
 Santa Monica, CA 90404
 Contact: Jeff Stone
 Tel: (310) 828-3400 Fax: (310) 828-2255
 GOSIP Product: Retix FTAM FT-820
 Version/Release: Ver 1.80
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 01-FEB-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0122
 Tatung (Intel 386), O/S UNIX System V Rel 3.2 (SCO Ver 4.0)
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0069
 TP4-CLNS/CLNP/WAN
 Underlying Stack: Retix LT-610
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 68
 Supplier: SUN Microsystems, Inc. International Centre for Network
 Computing
 32 Rue du Vieux Chene
 F-38240 Meylan France
 Contact: Tom Hull
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41
 GOSIP Product: SUNNET OSI FTAM
 Version/Release: Ver 7.1
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 14-OCT-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0075
 SUN 4 SUN O/S 4.0.3, 4.1, 4.1.1, 4.1.2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SUNNet OSI 7.0
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 86
 Supplier: SUN Microsystems, Inc. International Centre for Network
 Computing
 32 Rue du Vieux Chene
 F-38240 Meylan France
 Contact: Tom Hull
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41
 GOSIP Product: SUNNET OSI FTAM
 Version/Release: Ver 7.1
 Release Date: 01-OCT-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 25-NOV-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0075
 SUN 4
 SUN O/S 4.0.3, 4.1, 4.1.1, 4.1.2
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0058
 TP0/WAN
 Underlying Stack: SUNNet X.25
 Underlying Product:
 Protocols and Profiles: 0057
 FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol
 ATS Used: ATS:1-16
 Conformance Lab: 0357
 National Computing Centre Limited
 Oxford Road
 Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 156
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUNLink OSI FTAM
 Version/Release: Ver 8.0
 Release Date: 04-AUG-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0094
 HW: SPARCstation 4/30
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SUNLink OSI 8.0
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 157
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUNLink OSI FTAM
 Version/Release: Ver 8.0
 Release Date: 04-AUG-93
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0095
 HW: SPARCstation 10 Model 30
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SUNLink 8.0
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM ProductID: 158
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUNLink OSI FTAM
 Version/Release: Ver 8.0
 Release Date: 04-AUG-93
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0093
 HW: SPARCstation 10 Model 41
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SUNLink OSI 8.0
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 159
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUNLink OSI FTAM
 Version/Release: Ver 8.0
 Release Date: 04-AUG-93
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0092
 HW: SPARCstation 10 Model 42
 OS: Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SUNLink OSI 8.0
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 160
 Supplier: SUN Microsystems Federal, Incorporated
 2650 Park Tower Drive, Suite 500
 Vienna, VA 22180-7306
 Contact: Michael Barnes
 Tel: (703) 204-4100 Fax: (703) 204-4782
 GOSIP Product: SUNLink OSI FTAM
 Version/Release: Ver 8.0
 Release Date: 04-AUG-93
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 04-JAN-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0096
 RDI BrightLite IPX Color Laptop Workstation Solaris 2.1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: SUNLink OSI 8.0
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0364
 CDA, Incorporated
 8301 Greensboro Drive, #350
 McLean, VA 22102-3603

GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 60
 Supplier: UNISYS Corporation
 2450 Swedesford Road
 Paoli, PA 19301
 Contact: Ed Kelly
 Tel: (215) 993-7208 Fax:
 GOSIP Product: OSI-FTAM
 Version/Release: Rel 2R1A
 Release Date: 03-MAY-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 10-SEP-92
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0069
 1100/90 and all 2000 Series Systems OS1100 Release 43R1
 DCP-15 through DCP-55, DCP/OS Ver 5R2A/TELCON Ver 9R1A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: CMS 1000 7R2B PLS PCR 15312
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 75
 Supplier: UNISYS Corporation
 8008 Westbrook Drive
 McLean, VA 22102
 Contact: Keith Fretz
 Tel: (703) 556-5665 Fax: (703) 556-5172
 GOSIP Product: OSI-FTAM
 Version/Release: Rel 2R1A
 Release Date: 03-MAY-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 16-OCT-92
 Basis: DERIVED
 Base Products:
 Tested Hardware/Operating System Platforms: 0080
 1100/90 and all 2000 Series Systems, OS1100, Release 43R1
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0069
 TP4-CLNS/CLNP/WAN
 Underlying Stack: CP 2000 X.25
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 80
 Supplier: UNISYS Corporation
 2450 Swedesford Road
 Paoli, PA 19301
 Contact: Ed Kelly
 Tel: (215) 993-7208 Fax:
 GOSIP Product: OSI-FTAM
 Version/Release: Rel 2R1A
 Release Date: 03-MAY-92
 Additional Info: None
 Registration: PROV, GOSIP Version 1
 Date: 01-SEP-92
 Basis: BASE
 Base Products: n/a
 Tested Hardware/Operating System Platforms: 0069
 1100/90 and all 2000 Series Systems OS1100 Release 43R1
 DCP-15 through DCP-55, DCP/OS Ver 5R2A/TELCON Ver 9R1A
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: DCP OSITS
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 146
 Supplier: UNISYS Corporation
 8008 West Park Drive
 McLean, VA 22102
 Contact: Dale Pluta
 Tel: (703) 556-5682 Fax: (703) 556-5172
 GOSIP Product: A-Series OSI FTAM
 Version/Release: Ver 40.400.0008 Release Date: 16-NOV-92
 Additional Info: In conjunction with A-Series/CP2000 OSI-IPC Ver 30.00.199, Rel 11-Dec-92
 Registration: PROV, GOSIP Version 1
 Date: 13-APR-93
 Basis: BASE Base Products: n/a
 Tested Hardware/Operating System Platforms: 0138
 A6 A-Series System Ver 4.0
 Claimed Compatibility Hardware/Software Platforms: 0001
 Connectivity: 0004
 TP4-CLNS/CLNP/LAN
 Underlying Stack: A-Series/CP2000 OSI-IPC Ver 30.00.199
 11-DEC-92
 Underlying Product:
 Protocols and Profiles: 0029
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 FTAM Session [ISO 8327:1987]
 ATS Used: ATS:1-16
 Conformance Lab: 0367
 UNISYS - Open Systems Interconnection Laboratory
 P.O. Box 203, 2450 Swedesford Road
 Paoli, PA 19301

GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 150
Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta
Tel: (703) 556-5682 Fax: (703) 556-5172
GOSIP Product: A-Series OSI-FTAM Product 115/P7.1a
Version/Release: Ver 40.400.0008
Release Date: 16-NOV-92
Additional Info: Session Layer is not registered at the request of
the vendor UNISYS
Registration: PROV, GOSIP Version 1
Date: 06-MAY-93
Basis: DERIVED
Base Products:
Tested Hardware/Operating System Platforms: 013
A6 A-Series System Ver 4.0
Claimed Compatibility Hardware/Software Platforms: 0001
Connectivity: 0081
TP4-CONS/WAN
Underlying Stack: Unisys Product 113/P4.2
Underlying Product:
Protocols and Profiles: 0028
FTAM/(ACSE)/(Presentation)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]
ATS Used: ATS-16
Conformance Lab: 0367
UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

5.4.4 REGISTER OF GOSIP INTEROPERABILITY TEST SUITES

Test Suites for the GOSIP Interoperability Testing provisions are listed here. Entries on this register are Provisional, valid until December 31, 1994.

ITS-1 X.400

OSINET, Message Handling Systems Interoperability Tests, Version 1, Edition 2, September 1990, available from: OSINET Corporation, 1750 Old Meadow Road Suite 400, McLean, VA 22102, Tel. (703) 883-2797

ITS-2 FTAM

OSINET, File Transfer, Access and Management Interoperability Tests, Version 1, Edition 2, June 1990, available from: OSINET Corporation, 1750 Old Meadow Road Suite 400, McLean, VA 22102, Tel. (703) 883-2797

5.4.5 REGISTER OF GOSIP INTEROPERABILITY TEST AND REGISTRATION SERVICES

Interoperability Test and Registration Services which meet the GOSIP Interoperability Testing provisions are listed here. Entries on this register are Provisional.

ITRS-1 OSINET

c/o Corporation for Open Systems International
1750 Old Meadow Road Suite 400, McLean, VA 22102
Tel: (703) 883-2797

ITRS-2 Process to Support Interoperability (PSI)

SPAG, PSI Operator, SPAGsa
Avenue Louise 165, Box 6,B-1050 Brussels, Belgium
Tel. 32 2 645 7811
Fax. 32 2 645 0879

GOSIP REGISTERS, Continued

5.4.6 REGISTER OF GOSIP MEANS OF TESTING GOSIP VERSION 1

Means of Testing (MOT) for the GOSIP program of conformance testing are listed here. These MOTS relate to the protocols identified in FIPS 146 GOSIP Version 1. For further details of each MOT listed, please contact the named supplier. Entries on this register are provisional, and are listed in the register as valid until March 30, 1992. However, at the direction of NIST, and in order to accomplish the transition to GOSIP Version 2, the validity of the GOSIP Version 1 MOT registrations has been extended indefinitely. Each GOSIP Version 1 MOT that is currently in the register will remain here until either of the following events occur: (1) the vendor withdraws the MOT from registration, or (2) NIST directs the further deregistration of GOSIP Version 2 MOT.

MEANS OF TESTING REGISTER 01-JUN-94

MEANS OF TESTING REGISTER: WIDE AREA NETWORK

M-001 WAN TEST SYTEMS

NOTE: Wide area test systems registered under GOSIP Version 1 were deleted from the register as of March 14, 1993.

MEANS OF TESTING REGISTER: LOCAL AREA NETWORK

M-002 LAN TEST SYTEMS

NOTE: Local area test systems registered under GOSIP Version 1 and not related to FTAM or MHS were deleted from the register as of March 14, 1993.

M-002 LAN MOT ID: 4

Supplier: Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Contact: Andrea Reitzel
Tel: (703) 205-2809 Fax: (703) 846-8590

Test System Name, Release and Date:
COS 802.2 /802.3 10Base5 Layer 2 Test System
Ver 1.4 01-DEC-90

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0018

MS-DOS 3.1, IBM PC/AT Compatible

HP 4972A LAN Protocol Analyzer with RS-232C Option, V
B.04.01

HP 8568B Signal Generator

HP 8770A Arbitrary Waveform Synthesizer

HP 16500A Logic Analyzer

Base/Derived: UPDATE

Connectivity: 0009

MAC[802-3] Physical

Underlying Stack:

Protocols and Profiles: 0031

LLC1 [ISO 8802-2]/MAC [ISO 8802-3]

Date Registered: 21-JUL-92

Type of Registration and Expiration Date:

PROV, GOSIP Version 1

01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-3

ATS:1-6

M-002 LAN MOT ID: 3
Supplier: Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Contact: Andrea Reitzel

Tel: (703) 205-2809 Fax: (703) 846-8590

Test System Name, Release and Date:

COS 802.2/802.3 10Base5 Layer 2 Test System
Ver 1.1 01-MAY-89

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0018

MS-DOS 3.1, IBM PC/AT Compatible

HP 4972A LAN Protocol Analyzer with RS-232C Option, Ver
B.04.01

HP 8568B Signal Generator

HP 8770A Arbitrary Waveform Synthesizer

HP 16500A Logic Analyzer

Base/Derived: BASE

Connectivity: 0009

MAC[802-3] Physical

Underlying Stack:

Protocols and Profiles: 0067

LLC1 [802-2]/MAC [802-3]

Date Registered: 30-OCT-90

Type of Registration and Expiration Date:

PROV, GOSIP Version 1

01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-3

ATS:1-6

M-002 LAN MOT ID: 44

Supplier: Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Contact: Andrea Reitzel

Tel: (703) 205-2809 Fax: (703) 846-8590

Test System Name, Release and Date:

COS 802.3 Test System, Ver 1.0, May 1989
Ver 1.0 01-MAY-89

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0071

HP 16500A Logic Analyzer System Mainframe, Ver 2.0

HP 16531A 400 MHz Scope Card, Ver 2.01

HP 16530A Timebase Card, Ver 2.0, HP 16510A 25 MHz
Statetiming Card,

HP 8656B Signal Generator, Options 001 & 002, HP 8770A
Arbitrary Waveform

Synthesizer, HP 4972A LAN Protocol Analyzer with RS-232C
Option, Ver B.04.01

Base/Derived: BASE

Connectivity: 0009

MAC[802-3] Physical

Underlying Stack:

Protocols and Profiles: 0039

MAC [ISO 8802-3] PLS

Date Registered: 30-OCT-90

Type of Registration and Expiration Date:

PROV, GOSIP Version 1

01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-3

GOSIP REGISTERS, Continued

MEANS OF TESTING REGISTER: CLNP

M-003 CLNP TEST SYTEMS

NOTE: CLNP test systems registered under GOSIP Version 1 were deleted from the register as of March 14, 1993.

MEANS OF TESTING REGISTER: TRANSPORT

M-004 TRANSPORT TEST SYTEMS

NOTE: Transport test systems registered under GOSIP Version 1 were deleted from the register as of March 14, 1993.

MEANS OF TESTING REGISTER: SESSION

M-005 SESSION MOT ID: 46

Supplier: Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101
Contact: Sanjay P Lokare
Tel: (510) 484-5674 Fax: (510) 484-4078
Email:

Test System Name, Release and Date:

XRTLE, Session

Ver 1.1

30-JAN-92

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platform:0061

80386 PC, Interactive 386/iX UNIX Ver 2.2

Base/Derived: UPDATE

Connectivity: 0037

TP4-CLNS/CLNP{ES}/LAN

TP0/WAN

TP0/X.25/PLP/HDLC/RS-232C

Underlying Stack:TWICE source code modified by Alcatel TITN

ANSWARE for X.25

Protocols and Profiles: 0012

[ISO 8327] Session/Full Session

Date Registered: 03-AUG-92

Type of Registration and Expiration Date:

PROV, GOSIP Version 1

01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-10

M-005 SESSION

MOT ID: 42

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom

Contact: Peter Bird

Tel: +44 61 228 6333 Fax: +44 61 236 9877

Email: peter@ncc.co.uk

Test System Name, Release and Date:

NCC:COS Session Tester

Ver 1.0 01-AUG-91

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platform:0060

SUN 3 Series, SUN OS 4.1.1 or later

SUN 4 Series, SUN OS 4.1.1 or later

Base/Derived: UPDATE

Connectivity: 0033

TP0/X.25 PLP/X.25 LAP-B/RS-232C

TP2/X.25 PLP/X.25 LAP-B/V.35

TP4-CONS/X.25 PLP/X.25 LAP-B

TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}

TP4-CLNS/CLNP{ES}/X.25 PLP/X.25 LAP-B

Underlying Stack:

Protocols and Profiles: 0012

[ISO 8327] Session/Full Session

Date Registered: 14-JUL-92

Type of Registration and Expiration Date:

PROV, GOSIP Version 1 01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-10

MEANS OF TESTING REGISTER: MHS

M-006 MHS MOT ID: 21

Supplier: GSI-Danet Incorporated
1380 Old Freeport Road
Pittsburgh, PA 15238

Contact: Hans-Ludwig Heil

Tel: (412) 967-0834 Fax: (412) 963-6779

Test System Name, Release and Date:

OSITEST/400

Ver 3.3 01-JUL-90

Claimed Hardware and Operating System Platforms: 0026

SUN 3 Series, SUN OS 3.5 SUN 4 series, SUN OS 4.1

DEC MicroVAX, ULTRIX 2.2

Tested Hardware and Operating System Platforms: 0001

Base/Derived: BASE

Connectivity: 0018

Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C

Session/TP0/X.25 PLP/X.25 LAP-B/V.35

Session/TP4-CLNS/CLNP{ES}/LLC1{8802-2}/MAC{8802-3}

Underlying Stack:

Protocols and Profiles: 0045

MHS-84/(Session)

MHS-84 [X.400:1984] {P2, P1, RTS}

MHS-84 Session [X.410:1984]

Date Registered: 30-SEP-90

Type of Registration and Expiration Date:

PROV, GOSIP Version 1

01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-13

ATS:1-14

ATS:1-15

GOSIP REGISTERS, *Continued*

M-006 MHS MOT ID: 20
 Supplier: National Computing Centre Limited
 Oxford House, Oxford Road
 Manchester M1 7ED
 United Kingdom
 Contact: Peter Bird
 Tel: +44 61 228 6333 Fax: +44 61 236 9877
 Email: peter@ncc.co.uk
 Test System Name, Release and Date:
 NCC: COS MHS Tester
 Ver 2.2.2 01-JUL-91
 Claimed Hardware and Operating System Platforms: 0023
 SUN 4 series, SUN OS 4.1
 Tested Hardware and Operating System Platforms: 0001
 Base/Derived: UPDATE
 Connectivity: 0020
 Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
 Session/TP0/X.25 PLP/X.25 LAP-B/V.35
 Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/RS-232C
 Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/V.35
 Session/TP4-CLNS/CLNP/LLC1[8802-2]/MAC[8802-3 and 8802-4]
 Underlying Stack:
 Protocols and Profiles: 0045
 MHS-84/(Session)
 MHS-84 [X.400:1984] {P2, P1, RTS}
 MHS-84 Session [X.410:1984]
 Date Registered: 19-AUG-91
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 1 01-OCT-92
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments
 .
 ATS:1-13
 ATS:1-14
 ATS:1-15

MEANS OF TESTING REGISTER: FTAM

M-007 FTAM MOT ID: 25
 Supplier: Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101
 Contact: Sanjay P Lokare
 Tel: (510) 484-5674 Fax: (510) 484-4078
 Test System Name, Release and Date:
 XRTLE, FTAM
 Ver 1.0 10-APR-91
 Claimed Hardware and Operating System Platforms: 0042
 SUN 3 Series, SunOS 4.0.3 SUN 4 Series, SunOS 4.1
 Tested Hardware and Operating System Platforms: 0001
 Base/Derived: UPDATE
 Connectivity: 0021
 Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
 Session/TP0/X.25 PLP/X.25 LAP-B/V.35
 Session/TP4-CONS/X.25 PLP/X.25 LAP-B/RS-232C
 Session/TP4-CONS/X.25 PLP/X.25 LAP-B/V.35
 Session/TP4-CLNS/CLNP/LLC1{802.2}/MAC{802.3}
 Underlying Stack:
 Protocols and Profiles: 0032
 FTAM [ISO 8571]
 Date Registered: 04-JUN-91
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 1 01-OCT-92
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments
 .
 ATS:1-16

M-007 FTAM MOT ID: 49
 Supplier: Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101
 Contact: Sanjay P Lokare
 Tel: (510) 484-5674 Fax: (510) 484-4078
 Test System Name, Release and Date:
 XRTLE, FTAM
 Ver 1.2
 30-JAN-92
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0061
 80386 PC, Interactive 386/iX UNIX Ver 2.2
 Base/Derived: UPDATE
 Connectivity: 0035
 Session/TP4-CLNS/CLNP/LLC1{802.2}/MAC{802.3}
 Session/TP0/X.25/PLP/HDLC/RS-232C
 Session/TP4-CONS/X.25 PLP/X.25 LAP-B/RS-232C and V.35
 Underlying Stack:
 Protocols and Profiles: 0032
 FTAM [ISO 8571]
 Date Registered: 03-AUG-92
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 1
 01-OCT-92
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments
 .
 ATS:1-16

M-007 FTAM MOT ID: 24
 Supplier: GSI-Danet Incorporated
 1380 Old Freeport Road
 Pittsburgh, PA 15238
 Contact: Hans-Ludwig Heil
 Tel: (412) 967-0834 Fax: (412) 963-6779
 Test System Name, Release and Date:
 OSITEST/FTAM
 Ver 2.4
 01-JUL-90
 Claimed Hardware and Operating System Platforms: 0026
 SUN 3 Series, SUN OS 3.5
 SUN 4 series, SUN OS 4.1
 DEC MicroVAX, ULTRIX 2.2
 Tested Hardware and Operating System Platforms: 0001
 Base/Derived: BASE
 Connectivity: 0018
 Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
 Session/TP0/X.25 PLP/X.25 LAP-B/V.35
 Session/TP4-CLNS/CLNP{ES}/LLC1{8802-2}/MAC{8802-3}
 Underlying Stack:
 Protocols and Profiles: 0028
 FTAM/(ACSE)/(Presentation)
 FTAM [ISO 8571:1988] {T1}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988]
 Date Registered: 30-SEP-90
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 1
 01-OCT-92
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments
 .
 ATS:1-16

GOSIP REGISTERS, *Continued*

M-007 FTAM MOT ID: 39

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom

Contact: Peter Bird
Tel: +44 61 228 6333 Fax: +44 61 236 9877
Email: peter@ncc.co.uk

Test System Name, Release and Date:
NCC: COS FTAM Tester
Ver 2.3.1 18-MAR-92

Claimed Hardware and Operating System Platforms: 0056
SUN 3 Series, SunOS 4.1 or later
SUN 4 Series, SunOS 4.1 or later

Tested Hardware and Operating System Platforms: 0001

Base/Derived: UPDATE

Connectivity: 0029
Session/TP0/X.25 PLP/X.25 LAP-B
Session/TP2/X.25 PLP/X.25 LAP-B
Session/TP4-CONS/X.25 PLP/X.25 LAP-B
Session/TP4-CLNS/CLNP

Underlying Stack:
Protocols and Profiles: 0028
FTAM/(ACSE)/(Presentation)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]

Date Registered: 23-APR-92

Type of Registration and Expiration Date:
PROV, GOSIP Version 1 01-OCT-92

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:1-16				

M-007 FTAM MOT ID: 43

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom

Contact: Peter Bird
Tel: +44 61 228 6333 Fax: +44 61 236 9877
Email: peter@ncc.co.uk

Test System Name, Release and Date:
NCC: COS FTAM Tester
Ver 2.4 05-MAR-92

Claimed Hardware and Operating System Platforms: 0056
SUN 3 Series, SunOS 4.1 or later
SUN 4 Series, SunOS 4.1 or later

Tested Hardware and Operating System Platforms: 0001

Base/Derived: UPDATE

Connectivity: 0018
Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP0/X.25 PLP/X.25 LAP-B/V.35
Session/TP4-CLNS/CLNP{ES}/LLC1{8802-2}/MAC{8802-3}

Underlying Stack:
Protocols and Profiles: 0028
FTAM/(ACSE)/(Presentation)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]

Date Registered: 14-JUL-92

Type of Registration and Expiration Date:
PROV, GOSIP Version 1 01-OCT-92

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:1-16				

M-007 FTAM MOT ID: 50

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom

Contact: Peter Bird
Tel: +44 61 228 6333 Fax: +44 61 236 9877
Email: peter@ncc.co.uk

Test System Name, Release and Date:
NCC: COS FTAM Tester
Ver 2.2.2 01-JUL-91

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0023
SUN 4 Series, SUN OS 4.1

Base/Derived: UPDATE

Connectivity: 0020
Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP0/X.25 PLP/X.25 LAP-B/V.35
Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/V.35
Session/TP4-CLNS/CLNP/LLC1{8802-2}/MAC{8802-3 and 8802-4}

Underlying Stack:
Protocols and Profiles: 0028
FTAM/(ACSE)/(Presentation)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]

Date Registered: 01-AUG-91

Type of Registration and Expiration Date:
PROV, GOSIP Version 1 01-OCT-92

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:1-16				

MEANS OF TESTING REGISTER: WIDE AREA NETWORK

M-001 WAN MOT ID: 52

Supplier: Hewlett-Packard Company
4211 - 95 Street
Edmonton, Alberta T6E5R6
Canada

Contact: Bill Mortimer
Tel: (403) 462-4545 Fax:

Test System Name, Release and Date:
ISO 8882 Test Suite
Ver 3.0 01-SEP-92

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0116
PT300, PT302, PT500, PT502 and PT540, O/S Version 2.0

Base/Derived: BASE

Connectivity: 0044
RS-232C, V.35

Underlying Stack:
Protocols and Profiles: 0068
X.25 PLP [8208]
(X.25 LAP-B[7776]) {CCITT 1980,1984, ISO 8208}

Date Registered: 29-JAN-93

Type of Registration and Expiration Date:
FULL, GOSIP Version 2 01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-1		99.7		Full X.25 with inclusion of ANSI Defect Reports.
ATS:2-2		100		

GOSIP REGISTERS, *Continued*

M-001 WAN MOT ID: 56
 Supplier: Hewlett-Packard Company
 4211 - 95 Street
 Edmonton, Alberta T6E5R6
 Canada
 Contact: Bill Mortimer
 Tel: (403) 462-4545 Fax:
 Test System Name, Release and Date:
 ISO 8882 Test Suite
 Ver 3.1
 01-FEB-93
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0126
 PT300, PT302, PT500, PT502 AND PT540
 OS Ver 2.0 (PT500/300), 2.7 (PT502/300) and 2.8 (PT540)
 Base/Derived: UPDATE
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack:
 Protocols and Profiles: 0068
 X.25 PLP [8208]
 (X.25 LAP-B[7776]) {CCITT 1980,1984, ISO 8208}
 Date Registered: 17-FEB-93
 Type of Registration and Expiration Date:
 FULL, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

ATS:2-1	100			
ATS:2-2	100			FULL X.25 WITH THE INCLUSION OF ANSI DEFECT REPORTS.

M-001 WAN MOT ID: 70
 Supplier: IBM Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709
 Contact: John Lowman
 Tel: (919) 543-1673 Fax: (919) 245-2372

Test System Name, Release and Date:
 Automated Protocol Test System/2 (APTS/2)
 Ver 1.0
 28-AUG-93
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0185
 IBM PS/2 with OS/2 Version 2.0 or Version 2.1
 Base/Derived: UPDATE
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack: None
 Protocols and Profiles: 0080
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990]
 X.25 HDLC/LAP-B [ISO 7776:1986]
 Date Registered: 26-OCT-93
 Type of Registration and Expiration Date:
 FULL, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

ATS:2-1A	99.7			
ATS:2-2A	100			

M-001 WAN MOT ID: 51
 Supplier: International Business Machines Corporation
 P.O. Box 12195
 Research Triangle Park, NC 27709
 Contact: John G Conner
 Tel: (919) 254-2679 Fax:
 Test System Name, Release and Date:
 Automated Protocol Test System/2 (APTS/2)
 Ver 1.1
 03-AUG-92
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0097
 IBM PS/2 Model 70, 80 or 90 with 8MB memory
 OS/2 Ver 1.3
 Base/Derived: BASE
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack:
 Protocols and Profiles: 0068
 X.25 PLP [8208]
 (X.25 LAP-B[7776]) {CCITT 1980,1984, ISO 8208}
 Date Registered: 14-DEC-92
 Type of Registration and Expiration Date:
 FULL, GOSIP Version 2
 01-JAN-94
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

ATS:2-1	99.7			
ATS:2-2	100			

M-001 WAN MOT ID: 57
 Supplier: TEKELEC
 26580 West Aqoura Road
 Calabasas, CA 91302
 Contact: Siamak Poursabahian
 Tel: (818) 880-7952 Fax: (818) 880-6993

Test System Name, Release and Date:
 Chameleon 32-Plus ISO 8882 Test Suite
 Ver 1.0
 14-JUL-92
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0125
 Chameleon 32-Plus
 MTOS-UX
 Base/Derived: BASE
 Connectivity: 0044
 RS-232C, V.35
 Underlying Stack:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
 Date Registered: 08-FEB-93
 Type of Registration and Expiration Date:
 FULL, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

ATS:2-1	100			Full X.25
ATS:2-2	100			WITH THE INCLUSION OF ANSI DEFECT REPORTS.

GOSIP REGISTERS, Continued

M-001 WAN MOT ID: 68
 Supplier: TEKELEC
 26580 W. Aqoura Road
 Calabasas, CA 91302

Contact: Pierre Prescott
 Tel: (818) 880-7780 Fax: (818) 880-6993
 Email:

Test System Name, Release and Date:
 Chameleon 32-Plus ISO 8882 Test Suite
 Ver 2.0
 17-DEC-92

Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0125
 Chameleon 32-Plus
 MTOS-UX

Base/Derived: UPDATE
 Connectivity: 0044
 RS-232C, V.35

Underlying Stack:
 Protocols and Profiles: 0001
 X.25 PLP/X.25 LAP-B
 X.25 PLP [ISO 8208:1990] {CCITT 1984}
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

Date Registered: 12-MAY-93
 Type of Registration and Expiration Date:
 FULL, GOSIP Version 2
 01-JAN-00

Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-1		100		
ATS:2-2		100		

MEANS OF TESTING REGISTER: LOCAL AREA NETWORK
 MEANS OF TESTING REGISTER: CLNP
 MEANS OF TESTING REGISTER: SESSION
 MEANS OF TESTING REGISTER: MHS
 MEANS OF TESTING REGISTER: FTAM
 REGISTER OF GOSIP MEANS OF TESTING GOSIP VERSION 2

Means of Testing (MOT) for the GOSIP program of conformance testing are listed here. These MOTs relate to the protocols identified in FIPS 146-1, GOSIP Version 2. The type of registration and expiration date are listed with each MOT. For further details on MOTs found in this register, please contact the named supplier.

MEANS OF TESTING REGISTER: WIDE AREA NETWORK
 MEANS OF TESTING REGISTER: LOCAL AREA NETWORK
 MEANS OF TESTING REGISTER: CLNP

M-003 TP-CLNP - ES-IS MOT ID: 61
 Supplier: Alcatel TITN Incorporated
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare
 Tel: (510) 484-5674 Fax: (510) 484-4078
 Email:

Test System Name, Release and Date:
 XRTLE Ver 4.21
 CLNP Ver 1.1
 29-JAN-92

Claimed Hardware and Operating System Platforms: 0206
 80386 based PC, Interactive 386/iX UNIX Ver 2.2, 3.0, and 3.0.1
 Tested Hardware and Operating System Platforms: 0129
 80386 Based PC, Interactive 386/iX UNIX Ver 3.0

Base/Derived: BASE
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}

Underlying Stack: LAN CMC 640 A.T. Type CMC
 Protocols and Profiles: 0059
 CLNP{ES} [ISO 8473]

Date Registered: 11-JAN-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00

Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-7	90.9	0	90.9	

MEANS OF TESTING REGISTER: CLNP

M-003 TP-CLNP - ES-IS MOT ID: 71
 Supplier: Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare
 Tel: (510) 484-5674 Fax: (510) 484-4078

Test System Name, Release and Date:
 XRTLE V5.20
 ES-IS(ES) V1.1
 01-JUN-93

Claimed Hardware and Operating System Platforms: 0186
 PC 386/486
 Interactive UNIX V2.2, V2.2.1, V3.0, V3.0.1

Tested Hardware and Operating System Platforms: 0061
 80386 PC, Interactive 386/iX UNIX Ver 2.2

Base/Derived: BASE
 Connectivity: 0107
 LLC1{802.2}/MAC{802.3}/10Base5

Underlying Stack: TWICE software modified by Alcatel TITN
 ANSWARE
 Protocols and Profiles: 0081

ES-IS{ES} [ISO 9542:1988][SIA VER 3]
 Date Registered: 01-OCT-93

Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00

Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-18	87	8	95	

GOSIP REGISTERS, Continued

M-003 TP-CLNP - ES-IS MOT ID: 58
 Supplier: National Computing Centre Limited
 Oxford House, Oxford Road
 Manchester M1 7ED
 United Kingdom
 Contact: Peter Bird
 Tel: +44 61 228 6333 Fax: +44 61 236 9877
 Email: peter@ncc.co.uk
 Test System Name, Release and Date:
 NCC IP (CLNP) Test System
 Ver 2.2.1, ITS Ver 2.3
 01-MAR-91
 Claimed Hardware and Operating System Platforms: 0187
 Sun-3 or Sun-4 Workstations
 SunOS 4.1.1, 4.1.2 or 4.1.3
 Tested Hardware and Operating System Platforms: 0001
 Base/Derived: BASE
 Connectivity: 0115
 LLC1{802.2}/MAC{802.3}
 X.25 PLP/X.25 LAP-B
 Underlying Stack:SunNET OSI 7.0 (TP4-CLNS) + SunNET X.25 7.0 (TP0)
 Protocols and Profiles: 0046
 CLNP{ES} [ISO 8473:1988] {Static Routing}
 Date Registered: 03-MAR-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

ATS:2-7 97.1 With use of manual assessment

MEANS OF TESTING REGISTER: TRANSPORT

M-004 TRANSPORT MOT ID: 54
 Supplier: Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton CA 94566-3101
 Contact: Sanjay P Lokare
 Tel: (510) 484-5674 Fax: (510) 484-4078
 Test System Name, Release and Date:
 XRTLE Ver 4.21
 TR02 (Transport Class 0) Ver 1.1
 29-JAN-92
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0061
 80386 PC, Interactive 386/iX UNIX Ver 2.2
 Base/Derived: BASE
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack:TWICE Source code modified by Alcatel TITN
 ANSWARE
 Protocols and Profiles: 0010
 Transport Class 0 [ISO 8073:1988]
 Date Registered: 01-FEB-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

ATS:2-8 87 0 87

M-004 TRANSPORT MOT ID: 59
 Supplier: Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101
 Contact: Sanjay P Lokare
 Tel: (510) 484-5674 Fax: (510) 484-4078
 Email:
 Test System Name, Release and Date:
 XRTLE Ver 4.21
 TR02 (Transport Class 2) Ver 1.1
 29-JAN-92
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0061
 80386 PC, Interactive 386/iX UNIX Ver 2.2
 Base/Derived: BASE
 Connectivity: 0046
 X.25 PLP/HDLC LAP-B
 Underlying Stack:TWICE Source code modified by Alcatel TITN
 ANSWARE for X.25
 Protocols and Profiles: 0060
 Transport Class 2 [ISO 8073:1988]
 Date Registered: 05-MAR-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

ATS:2-20 92.7 1 93.7

M-004 TRANSPORT MOT ID: 62
 Supplier: Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101
 Contact: Sanjay P Lokare
 Tel: (510) 484-5674 Fax: (510) 484-4078
 Email:
 Test System Name, Release and Date:
 XRTLE Ver 4.21
 T4L (TP4-CLNS) Ver 2.4.1
 29-JAN-92
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0061
 80386 PC, Interactive 386/iX UNIX Ver 2.2
 Base/Derived: BASE
 Connectivity: 0041
 CLNP{ES}/LLC1{802.2}/MAC{802.3}
 Underlying Stack:TWICE Source code modified by Alcatel TITN
 ANSWARE for CLNP
 Protocols and Profiles: 0075
 Transport Class 4-CLNS [ISO 8073:1988 / Add2:1989]
 Date Registered: 05-MAR-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments

ATS:2-9.1 94.7 .6 95.3

GOSIP REGISTERS, Continued

M-004 TRANSPORT MOT ID: 73

Supplier: Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare
Tel: (510) 484-5674 Fax: (510) 484-4078
Email:

Test System Name, Release and Date:
XRTLE Ver 4.21
TP4/CLNS Ver 2.41
29-JAN-92

Claimed Hardware and Operating System Platforms: 0187
Sun-3 or Sun-4 Workstations
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0216
Sun-4 IPC Workstation
SunOS 4.1.1

Base/Derived: UPDATE
Connectivity: 0041
CLNP{ES}/LLC1{802.2}/MAC{802.3}

Underlying Stack:TWICE Source code modified by Alcatel TITN
ANSWARE for CLNP

Protocols and Profiles: 0082
Transport Class 4-CLNP [ISO 8073:1988/Add2:1989]

Date Registered: 03-DEC-93

Type of Registration and Expiration Date:
PROV, GOSIP Version 2
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-9.1	94.7	.6	95.3	

M-004 TRANSPORT MOT ID: 72

Supplier: Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare
Tel: (510) 484-5674 Fax: (510) 484-4078
Email:

Test System Name, Release and Date:
XRTLE Ver 4.21
TR02 (TP0) Ver 1.1
29-JAN-92

Claimed Hardware and Operating System Platforms: 0187
Sun-3 or Sun-4 Workstations
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0216
Sun-4 IPC Workstation
SunOS 4.1.1

Base/Derived: UPDATE
Connectivity: 0046
X.25 PLP/HDLC LAP-B

Underlying Stack:TWICE Source code modified by Alcatel TITN
ANSWARE for X.25

Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]

Date Registered: 03-DEC-93

Type of Registration and Expiration Date:
PROV, GOSIP Version 2
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-8	87	0	87	

M-004 TRANSPORT MOT ID: 60

Supplier: Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare
Tel: (510) 484-5674 Fax: (510) 484-4078
Email:

Test System Name, Release and Date:
XRTLE Ver 4.21 TP4/CONS
Ver 2.3
29-JAN-92

Claimed Hardware and Operating System Platforms: 0001
Tested Hardware and Operating System Platforms: 0061
80386 PC, Interactive 386/IX UNIX Ver 2.2

Base/Derived: BASE
Connectivity: 0046
X.25 PLP/HDLC LAP-B

Underlying Stack:TWICE Source code modified by Alcatel TITN
ANSWARE for X.25

Protocols and Profiles: 0011
Transport Class 4-CONS [ISO 8073:1988]

Date Registered: 02-MAR-93

Type of Registration and Expiration Date:
PROV, GOSIP Version 2
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-9.3	86.5	2.6	89.1	

M-004 TRANSPORT MOT ID: 64

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom

Contact: Peter Bird
Tel: +44 61 228 6333 Fax: +44 61 236 9877
Email: peter@ncc.co.uk

Test System Name, Release and Date:
NCC ITS Transport Test System, Class 0
Release 3.0
04-JAN-92
ITS Protocol Engine Ver 2.3

Claimed Hardware and Operating System Platforms: 0187
Sun-3 or Sun-4 Workstations
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0145
SunSPARCstation 4/330 with SunOS 4.1.2

Base/Derived: BASE
Connectivity: 0063
X.25 PLP/X.25 LAP-B/RS-232C

Underlying Stack:SunNET OSI 7.0 (TP4-CLNS) + SunNET X.25 7.0
(TP0)

Protocols and Profiles: 0010
Transport Class 0 [ISO 8073:1988]

Date Registered: 31-MAR-93

Type of Registration and Expiration Date:
PROV, GOSIP Version 2
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-8	85.2	3.7	88.9	

GOSIP REGISTERS, *Continued*

M-004 TRANSPORT MOT ID: 65
 Supplier: National Computing Centre Limited
 Oxford House, Oxford Road
 Manchester M1 7ED
 United Kingdom
 Contact: Peter Bird
 Tel: +44 61 228 6333 Fax: +44 61 236 9877
 Email: peter@ncc.co.uk
 Test System Name, Release and Date:
 NCC ITS Transport Test System, Class 2 Release 3.0
 ITS Protocol Engine Ver 2.3
 04-JAN-92
 Claimed Hardware and Operating System Platforms: 0187
 Sun-3 or Sun-4 Workstations
 SunOS 4.1.1, 4.1.2 or 4.1.3
 Tested Hardware and Operating System Platforms: 0145
 SunSPARCstation 4/330 with SunOS 4.1.2
 Base/Derived: BASE
 Connectivity: 0063
 X.25 PLP/X.25 LAP-B/RS-232C
 Underlying Stack: SunNET 7.0 X.25 + OSI
 Protocols and Profiles: 0060
 Transport Class 2 [ISO 8073:1988]
 Date Registered: 31-MAR-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments
 ATS:2-20 66.5 5.3 71.8

M-004 TRANSPORT MOT ID: 67
 Supplier: National Computing Centre Limited
 Oxford House, Oxford Road
 Manchester M1 7ED
 United Kingdom
 Contact: Peter Bird
 Tel: +44 61 228 6333 Fax: +44 61 236 9877
 Email: peter@ncc.co.uk
 Test System Name, Release and Date:
 NCC ITS Transport Test System, Class 4/CLNS Release 3.0
 ITS Protocol Engine Ver 2.3
 01-MAY-92
 Claimed Hardware and Operating System Platforms: 0187
 Sun-3 or Sun-4 Workstations
 SunOS 4.1.1, 4.1.2 or 4.1.3
 Tested Hardware and Operating System Platforms: 0145
 SunSPARCstation 4/330 with SunOS 4.1.2
 Base/Derived: BASE
 Connectivity: 0010
 LLC1{802.2}/MAC{802.3}
 Underlying Stack:
 Protocols and Profiles: 0069
 Transport Clas 4/CLNS [ISO 8073]:1988/Add.2:1989
 Date Registered: 31-MAR-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments
 ATS:2-9.2 86.5 2.4 88.9

M-004 TRANSPORT MOT ID: 66
 Supplier: National Computing Centre Limited
 Oxford House, Oxford Road
 Manchester M1 7ED
 United Kingdom
 Contact: Peter Bird
 Tel: +44 61 228 6333 Fax: +44 61 236 9877
 Email: peter@ncc.co.uk
 Test System Name, Release and Date:
 NCC ITS Transport Test System, Class 4/CONS Release 3.0
 ITS Protocol Engine Ver 2.3
 04-JAN-92
 Claimed Hardware and Operating System Platforms: 0187
 Sun-3 or Sun-4 Workstations
 SunOS 4.1.1, 4.1.2 or 4.1.3
 Tested Hardware and Operating System Platforms: 0145
 SunSPARCstation 4/330 with SunOS 4.1.2
 Base/Derived: BASE
 Connectivity: 0063
 X.25 PLP/X.25 LAP-B/RS-232C
 Underlying Stack: SunNET 7.0 X.25 + OSI
 Protocols and Profiles: 0011
 Transport Class 4-CONS [ISO 8073:1988]
 Date Registered: 31-MAR-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments
 ATS:2-9.2 77.8 3.8 81.6

M-005 SESSION MOT ID: 63
 Supplier: Alcatel TITN Test Center
 7011 Koll Center Parkway, Suite 200
 Pleasanton, CA 94566-3101
 Contact: Sanjay P Lokare
 Tel: (510) 484-5674 Fax: (510) 484-4078
 Email:
 Test System Name, Release and Date:
 XRTLE Ver 4.21
 Session Version 1.1
 29-JAN-92
 Claimed Hardware and Operating System Platforms: 0186
 PC 386/486
 Interactive UNIX V2.2, V2.2.1, V3.0, V3.0.1
 Tested Hardware and Operating System Platform: 0129
 80386 Based PC, Interactive 386/iX UNIX Ver 3.0
 Base/Derived: BASE
 Connectivity: 0059
 TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}
 Underlying Stack: TWICE Source code modified by Alcatel TITN
 ANSWARE for
 Transport and CLNP
 Protocols and Profiles: 0066
 Session [ISO 8327:1987]
 Date Registered: 14-JAN-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments
 ATS:2-10.1 98.4 .2 89.6 With use of manual
 assessment

GOSIP REGISTERS, Continued

M-005 SESSION MOT ID: 74

Supplier: Alcatel TITN Test Center
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare
Tel: (510) 484-5674 Fax: (510) 484-4078
Email:

Test System Name, Release and Date:
XRTLE Ver 4.21
SESSION Ver 1.1
29-JAN-92

Claimed Hardware and Operating System Platforms: 0187
Sun-3 or Sun-4 Workstations
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platform: 0001

Base/Derived: UPDATE

Connectivity: 0108
TP4-CLNS/CLNP{ES}/LAN

Underlying Stack: TWICE Source code modified by Alcatel TITN
ANSWARE for
Transport and CLNP

Protocols and Profiles: 0066
Session [ISO 8327:1987]

Date Registered: 03-DEC-93

Type of Registration and Expiration Date:
PROV, GOSIP Version 2
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-10.1	98.4	.2	98.6	

M-006 MHS MOT ID: 53

Supplier: Alcatel TITN Incorporated
12030 Sunrise Valley Drive
Reston, VA 22091

Contact: Sanjay Lokare
Tel: (510) 484-5674 Fax: (510) 484-4078
Email:

Test System Name, Release and Date: GENEPIX400
Ver 2.6
28-JUN-92
MOT Engine - Supervisor V2.2 (Apr 92)

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0061
80386 PC, Interactive 386/iX UNIX Ver 2.2

Base/Derived: BASE

Connectivity: 0026
TP0/X.25 PLP/X.25 LAP-B/RS-232C

Underlying Stack: TWICE Source code modified by Alcatel TITN
ANSWARE for
Session Transport, CLNP, LLC1, X.25

Protocols and Profiles: 0056
MHS-84
MHS-84 [X.400:1984] {P2, P1, RTS}

Date Registered: 04-FEB-93

Type of Registration and Expiration Date:
PROV, GOSIP Version 2
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-13.2	67.2	14.9	82.1	
ATS:2-13.3	90.5	0	90.5	
ATS:2-13.4	94.2	2.6	96.8	

M-006 MHS MOT ID: 69

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom

Contact: Peter Bird
Tel: +44 61 228 6333 Fax: +44 61 236 9877
Email: peter@ncc.co.uk

Test System Name, Release and Date: 84mhs Test System, Ver 1.0
ITS Protocol Engine Rel 24 01-FEB-93
OpenWindows 3.0; Registration for Session expires 01-MAY-94

Claimed Hardware and Operating System Platforms: 0187
Sun-3 or Sun-4 Workstations
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0145
SunSPARCstation 4/330 with SunOS 4.1.2

Base/Derived: BASE

Connectivity: 0058 TP0/WAN

Underlying Stack: SunNET OSI 7.0(TP4-CLNS)+SunNET X.25 7.0

Protocols and Profiles: 0045
MHS-84/(Session) MHS-84 [X.400:1984] {P2, P1, RTS}
MHS-84 Session [X.410:1984]

Date Registered: 24-MAY-93

Type of Registration and Expiration Date:
PROV, GOSIP Version 2 01-JAN-00

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-13.2	97.1	0	97.1	
ATS:2-13.3	85.2	7.1	92.3	
ATS:2-13.4	82	0	82	
ATS:2-13.5	65.4	0	65.4	

M-006 MHS MOT ID: 77

Supplier: National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom

Contact: Peter Bird
Tel: +44 61 228 6333 Fax: +44 61 236 9877
Email: peter@ncc.co.uk

Test System Name, Release and Date: 88mhs Test System
Ver 1.1 29-SEP-93
Integrated Tool Set (ITS) protocol Engine Release 24 with
patch 018 using OpenWindows 3.0

Claimed Hardware and Operating System Platforms: 0187
Sun-3 or Sun-4 Workstations SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0145
SunSPARCstation 4/330 with SunOS 4.1.2

Base/Derived: BASE

Connectivity: 0114
TP4-CLNS/CLNP/LAN TP0/X.25

Underlying Stack: SunNET OSI7.0 (TP4-CLNS)+SunNET X.25 7.0

Protocols and Profiles: 0091
MHS-88/(ACSE)/(PRES)/(Session)
MHS-88 MTA [X.400:1988] {P2,P1,RTSE}
MHS-88 ACSE [ISO 8650:1988] {MH}
MHS-88 Presentation [ISO 8823:1988] {MH}
MHS-88 Session [ISO 8327:1987]

Date Registered: 13-APR-94

Type of Registration and Expiration Date:
PROV, GOSIP Version 2 01-JAN-00

Ats Code	Auto %	Manual %	Total %	Comments
ATS:3-22.1.2	39.2	23.8	63	PASS
ATS:3-22.2.1	88.9	0	88.9	PASS
ATS:3-22.3.1	55.6	24.4	80	PASS
ATS:3-22.4	86.3	2.4	88.7	PASS
ATS:3-22.5	81.2	12.2	93.4	PASS
ATS:3-22.6	78.2	12.9	91.1	PASS

GOSIP REGISTERS, Continued

M-007 FTAM MOT ID: 55
 Supplier: Alcatel TITN Incorporated
 12030 Sunrise Valley Drive
 Reston, VA 22091
 Contact: Sanjay Lokare
 Tel: (510) 484-5674 Fax: (510) 484-4078
 Test System Name, Release and Date:
 XRTLE Ver 4.21
 FTAM Ver 1.31 29-JAN-92
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0061
 80386 PC, Interactive 386/iX UNIX Ver 2.2
 Base/Derived: BASE
 Connectivity: 0062
 Session/TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}
 Session/TP4-CONS/X.25 PLP/X.25/RS-232C
 Session/TP0/X.25 PLP/X.25/RS-232C
 Underlying Stack:TWICE Source code modified by Alcatel TITN
 ANSWARE for Session Transport, CLNP, LLC1, X.25
 Protocols and Profiles: 0057
 FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol
 Date Registered: 25-JAN-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2
 01-JAN-00
 Reason for Removal:
 Ats Code Auto % Manual % Total % Comments
 ATs:2-16.1 78 6 84

M-007 FTAM MOT ID: 75
 Supplier: GSI-Danet Incorporated
 1380 Old Freeport Road
 Pittsburgh, PA 15238
 Contact: Hans-Ludwig Heil
 Tel: (412) 967-0834 Fax: (412) 963-6779
 Test System Name, Release and Date:
 OSITEST/FTAM
 Version 2.6.3.2
 01-MAR-93
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0149
 SunSPARCstation 4/330 with SunOS 4.1.1
 Base/Derived: BASE
 Connectivity: 0109
 TP4-CLNS/CLNP{ES}/LAN TP0/WAN
 Underlying Stack:SunNet OSI 7.0; SunNet X.25 7.0
 Protocols and Profiles: 0073
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1, M1, T2, A1, R&R}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988] {ASN.1}
 FTAM Session [ISO 8327:1987] {R&R}
 Date Registered: 28-JUN-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Version 2 01-JAN-00
 Ats Code Auto % Manual % Total % Comments
 ATs:2-16.10 81 0 81
 ATs:2-16.11 95 0 95
 ATs:2-16.12 90 0 90
 ATs:2-16.13 73 0 73
 ATs:2-16.2 91 0 91
 ATs:2-16.4 83 0 83
 ATs:2-16.6 90 0 90
 ATs:2-16.7 87 0 87
 ATs:2-16.8 93 0 93
 ATs:2-16.9 82 0 82

M-007 FTAM MOT ID: 76
 Supplier: National Computing Centre, Ltd.
 Oxford Road
 Manchester M17ED
 United Kingdom
 Contact: Robert Clark
 Tel: (510) 687-3002 Fax:
 Test System Name, Release and Date: FTAM Version 3.0
 Claimed Hardware and Operating System Platforms: 0001
 Tested Hardware and Operating System Platforms: 0145
 SunSPARCstation 4/330 with SunOS 4.1.2
 Base/Derived: BASE
 Connectivity: 0110 TP4-CLNS/CLNP{ES}/LAN
 TP4-CLNS/CLNP{ES}/WAN TP0/WAN
 Underlying Stack:SunNet OSI 7.0; SunNet X.25 7.0
 Protocols and Profiles: 0073
 FTAM/(ACSE)/(Presentation)/(Session)
 FTAM [ISO 8571:1988] {T1, M1, T2, A1, R&R}
 FTAM ACSE [ISO 8650:1988]
 FTAM Presentation [ISO 8823:1988] {ASN.1}
 FTAM Session [ISO 8327:1987] {R&R}
 Date Registered: 28-JUN-93
 Type of Registration and Expiration Date:
 PROV, GOSIP Ver 2 01-JAN-00
 Ats Code Auto % Manual % Total % Comments
 ATs:2-16.10 95 0 95
 ATs:2-16.11 95 0 95
 ATs:2-16.12 94 0 94
 ATs:2-16.2 94 0 94
 ATs:2-16.3 75 0 75
 ATs:2-16.6 90 0 90
 ATs:2-16.7 96 0 96
 ATs:2-16.8 88 0 88
 ATs:2-16.9 100 0 100
 ATs:2-26.13 97 0 97

GOSIP REGISTERS, *Continued*

5.4.7 PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENTS REGISTER

3-22.5

Protocol: Reliable Transfer Service Element

GOSIP Version: 3

Expire Date:

Comments: Referenced by ISO/IEC DISP 10611-2:1993(E)

Title: PICS Proforma for RTSE Protocol

Organization: International Telecommunications
Union-Telecommunication Standardization Sector

Issue Date: 10-SEP-92

Issue: Recommendation X.248

Comments: None

PICS:1-13

Protocol: Message Handling System - 1984, Reliable Transfer Server
Profile P1, P2

GOSIP Version: 1

Expire Date:

Comments: None

Title: COS Stack Specification COS/AMH113

Organization: Corporation for Open Systems International Test
Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax VA 22031
USA

Issue Date: 15-APR-92

Issue: Version 1.2

Comments: None

PICS:2-1

Protocol: X.25 Link Access Procedure - B

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for X.25 Data Link Layer

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date: 01-MAR-92

Issue: ISO 7776

Comments: None

PICS:2-10

Protocol: Session

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for basic connection oriented session

Organization: International Organization for Standardization (ISO)
Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 22-OCT-92

Issue: ISO 8327-2

Comments: None

PICS:2-13.1

Protocol: Message Handling System - 1984, Reliable Transfer
Server
Profile P1, P2

GOSIP Version: 2

Expire Date:

Comments: None

Title: Corporation for Open Systems (COS)

Organization: Corporation for Open Systems International
1750 Old Meadow Road
McLean VA 22102
USA

Issue Date: 15-APR-92

Issue: Version 1.2

Comments: None

PICS:2-13.2

Protocol: Message Handling System - 1984, Session Protocol

GOSIP Version: 2

Expire Date:

Comments: None

Title: COS Stack Specification COS/AMH113

Organization: Corporation for Open Systems International Test
Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax VA 22031
USA

Issue Date: 15-APR-92

Issue: Version 1.2

Comments: None

PICS:2-16.1

Protocol: File Transfer, Access, and Management

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS for FTAM

Organization: International Organization for Standardization (ISO)
Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 15-DEC-90

Issue: ISO 8571-5:1988

Comments: ISO/IEC SC6

GOSIP REGISTERS, *Continued*

Title: PROFILE REQUIREMENTS LIST

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date: 01-DEC-91
Issue: OIW/SIA PART 10 PHASE 3
Comments: None

PICS:2-16.2

Protocol: Association Control Service Element

GOSIP Version: 2
Expire Date:
Comments: Adjust requirements to conform to the application

Title: PICS Proforma for Association Control Service Element

Organization: International Organization for Standardization (ISO)
Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 22-OCT-92
Issue: ISO 8650-2
Comments: None

PICS:2-16.3

Protocol: Presentation

GOSIP Version: 2
Expire Date:
Comments: Adjust requirements to conform to the application

Title: PICS Proforma for Presentation

Organization: International Organization for Standardization (ISO)
Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 22-OCT-92
Issue: ISO 8823-2
Comments: None

PICS:2-16.4

Protocol: Session

GOSIP Version: 2
Expire Date:
Comments: If embedded, adjust requirements to conform to the application

Title: PICS Proforma for basic connection oriented session

Organization: International Organization for Standardization (ISO)
Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 22-OCT-92
Issue: ISO 8327-2
Comments: None

PICS:2-17.1

Protocol: X.500-88 Directory Access Protocol

GOSIP Version: 2
Expire Date:
Comments: Under Review

Title: PICS Proforma for Directory Access Protocol (DAP)

Organization: International Telecommunications
Union-Telecommunication Standardization Sector

Issue Date: 06-APR-92
Issue: Draft Recommendation X.581
Comments: None

PICS:2-17.2

Protocol: X.500-88 Directory System Protocol

GOSIP Version: 2
Expire Date:
Comments: Under Review

Title: PICS Proforma for Directory System Protocol (DSP)

Organization: International Telecommunications
Union-Telecommunication Standardization Sector

Issue Date: 06-APR-92
Issue: Draft Recommendation X.582
Comments: None

PICS:2-2

Protocol: X.25 Packet Layer Protocol

GOSIP Version: 2
Expire Date:
Comments: None

Title: PICS Proforma for X.25 Packet Layer

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date: 01-MAR-92
Issue: ISO 8208
Comments: None

PICS:2-3.1

Protocol: End System to Intermediate System

GOSIP Version: 2
Expire Date:
Comments: None

GOSIP REGISTERS, *Continued*

Title: PICS Proforma for End System to Intermediate System

Organization: International Organization for Standardization (ISO)

Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 15-AUG-88

Issue: ISO 9542

Comments: None

Title: Interim Profile Specific ICS (SIA June 1990)

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date: 15-DEC-93

Issue: ---

Comments: None

PICS:2-7

Protocol: Connectionless Network Layer Protocol

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for Connectionless Network Layer Protocol

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date: 01-MAR-92

Issue: ISO 8473

Comments: None

PICS:2-8.1

Protocol: Transport Class 0 & 4

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for Transport Class 0 and 4 Protocols

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date: 01-MAR-92

Issue: ISO 8073

Comments: None

PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENTS REGISTER 01-JUN-94

PICS:2-8.2

Protocol: Transport Class 0, 2, & 4

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for TRANSPORT Class 0, 2, and 4
Protocols

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date: 01-JUN-93

Issue: ISO 8073:1988

Comments: Updated June 93 to include TP2

PICS:2-9

Protocol: Connectionless Transport

GOSIP Version: 2

Expire Date:

Comments: Voting Terminates on 29 Oct 1993 for ISO
8602:1987/DAM 1

Title: PICS Proforma for Connectionless Transport

Organization: International Organization for Standardization (ISO)

Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 01-APR-93

Issue: ISO 8602:1987/DAM1:1993

Comments: None

PICS:3-22.1

Protocol: Message Handling System - 1988, P1 Profile

GOSIP Version: 3

Expire Date:

Comments: This is also known as ISO/IEC DISP 10611-3:1993(E)

Title: Message Handling Systems-Common Messaging-Part 3:
AMH11- Message Transfer(P1)

Organization: International Organization for Standardization (ISO)

Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 31-JUL-93

Issue: ISO DISP 10611-3

Comments: None

PICS:3-22.2

Protocol: Message Handling System - 1988, P2 Profile

GOSIP Version: 3

Expire Date:

Comments: This is also known as pDISP AMH2-2: September 1993

GOSIP REGISTERS, *Continued*

Title: Message Handling Systems-Interpersonal Messaging-Part 2:
AMH21-IPM Content

Organization: International Organization for Standardization (ISO)
Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 24-SEP-93
Issue: pDISP AMH2-2
Comments: None

PICS:3-22.3

Protocol: Message Handling Systems - 1988 {P3}

GOSIP Version: 3
Expire Date:
Comments: This is also known as ISO/IEC DISP 10611-4:1993(E)

Title: Message Handling Systems-Common Messaging-Part 4:
AMH12-MTS Access(P3)

Organization: International Organization for Standardization (ISO)
Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 31-JUL-93
Issue: ISO DISP 10611-4
Comments: None

PICS:3-22.4

Protocol: Message Handling Systems - 1988 {P7}

GOSIP Version: 3
Expire Date:
Comments: This is also known as ISO/IEC DISP 10611-5:1993(E)

Title: Message Handling Systems-Common Messaging-Part 5:
AMH13-MS Access (P7)

Organization: International Organization for Standardization (ISO)
Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 31-JUL-93
Issue: ISO DISP 10611-5
Comments: None

Title: Message Handling Systems-Common Messaging- Part5:
AMH24--IPM Requirements for Enhanced MS Access (P7)

Organization: International Organization for Standardization (ISO)
Case Pastale 56
CH-1211 Geneve 20
Switzerland

Issue Date: 24-SEP-93
Issue: PDISP AMH2-5 (Suppl.)
Comments: None

5.4.8 ABSTRACT TEST SUITES CONFORMANCE REGISTER

ATS:1-1

Protocol: HDLC LAP-B
High Level Data Link Control, Logical Access Procedure B

GOSIP Version: 1
Expire Date:
Comments:

Title X.25-DTE Conformance Testing: Text for Data Link Layer Test
Suite

Organization: ISO/IEC JTC1/SC2
USA

Issue Date: 30-JUN-90
Issue: ISO/IEC DP 8882-2
Comments:
ATS:1-10

Protocol: Session
Session

GOSIP Version: 1
Expire Date:
Comments:

Title Session Abstract Test Suite; Volumes 1, 2 and 3

Organization: CTS-WAN

USA
Issue Date: 01-SEP-88
Issue: CTS-WAN/T&S/ABS/SES/CS/1.0
Comments:

ATS:1-13

Protocol: MHS-84{RTS}
Message Handling System - 1984, Reliable Transfer
Service Profile

GOSIP Version: 1
Expire Date:
Comments: Also issued under NIST cover, August 1990.

Title MHS RTS Tests and Testing Guide

Organization: National Computing Centre Limited
Oxford Road
Manchester M17ED
United Kingdom

Issue Date: 01-APR-90
Issue: Issue 2
Comments:

ATS:1-14
Protocol: MHS-84{P1}
Message Handling System - 1984, P1 Profile

GOSIP Version: 1
Expire Date:
Comments: Also issued under NIST cover, August 1990.

GOSIP REGISTERS, *Continued*

Title MHS P1 Tests and Testing Guide

Organization: National Computing Centre Limited
Oxford Road
Manchester M17ED
United Kingdom
Issue Date: 01-APR-90
Issue: Issue 3
Comments:
ATS:1-15
Protocol: MHS-84{P2}
Message Handling System - 1984, P2 Profile
GOSIP Version: 1
Expire Date:
Comments: Also issued under NIST cover, August 1990.

Title MHS P2 Tests and Testing Guide

Organization: National Computing Centre Limited
Oxford Road
Manchester M17ED
United Kingdom
Issue Date: 01-APR-90
Issue: Issue 3
Comments:
ATS:1-16
Protocol: FTAM{T1,T2}/ACSE/Presentation
File Transfer, Access, and Management: T1 and T2
Profiles, Association Control Service Element, and Presentation
GOSIP Version: 1
Expire Date:
Comments: T1 and T2 profiles from NIST; ACSE and Presentation
from NCC.

Title FTAM Abstract Test Suite for GOSIP Version 1

Organization: National Institute of Standards and Technology (NIST)
Building 225, Room B151
Gaithersburg, MD 20899
Issue Date: 01-AUG-90
Issue:
Comments:

Title FTAM Tests and Testing Guide

Organization: National Computing Centre Limited
Oxford Road
Manchester M17ED
United Kingdom
Issue Date: 03-AUG-90
Issue: NCC/TPD - 89/016
Comments:

ATS:1-2
Protocol: X.25 PLP
X.25 Packet Layer Protocol
GOSIP Version: 1
Expire Date:
Comments:

Title DIS 8882-3 London Output.

Organization: ISO/IEC JTC1/SC2

USA
Issue Date: 20-JUN-90
Issue: ISO/IEC JTC1/SC6/N5608 Revised
Comments:

ATS:1-3
Protocol: MAC & PLS [ISO 8802/3]
Medium Access Control and Physical Layer Signaling [ISO
8802/3]
GOSIP Version: 1
Expire Date:
Comments: Incorporates four test suites submitted by
Corporation for
Open Systems (COS) International, October 1989.

Title 802.3 Draft Abstract Test Suite for GOSIP Version 1.

Organization: National Institute of Standards and Technology (NIST)
Building 225, Room B151
Gaithersburg, MD 20899
Issue Date: 01-AUG-90
Issue:
Comments:

ATS:1-4
Protocol: MAC & PLS [ISO 8802/4]
Medium Access Control and Physical Layer Signaling [ISO
8802/4]
GOSIP Version: 1
Expire Date:
Comments:

Title 802.4 MAC Sublayer Conformance Test System Test Case
Reference Guide.

Organization: Corporation for Open Systems International Test
Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031
USA
Issue Date: 01-MAR-88
Issue: COS/TPD-88/008, Issue 1
Comments:

ATS:1-5
Protocol: MAC & PLS [ISO 8802/5]
Medium Access Control and Physical Layer Signaling [ISO
8802/5]
GOSIP Version: 1
Expire Date:
Comments: No registered ATS

ATS:1-6
Protocol: LLC-1
Logical Link Control Type 1
GOSIP Version: 1
Expire Date:
Comments:

GOSIP REGISTERS, *Continued*

Title 802.2 LLC (Type 1) Abstract Test Suite Submission (extract from 802.3 10BASE5 Layer 2 Test System Results Analysis Guide - LLC Sublayer).

Organization: Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Issue Date: 01-AUG-90

Issue: Issue 1

Comments:

ATS:1-7

Protocol: CLNP{ES}

Connectionless Network Protocol, End System

GOSIP Version: 1

Expire Date:

Comments:

Title Internet Protocol Tests and Testing Guide for ISO 8473
Connectionless Network Protocol Implementations.

Organization: National Computing Centre Limited

Oxford Road
Manchester M17ED
United Kingdom

Issue Date: 01-JUL-90

Issue: NCC/TPD-90/003, Issue 2

Comments:

ATS:1-7.1

Protocol: CLNP{IS}

Connectionless Network Protocol, Intermediate System

GOSIP Version: 1

Expire Date:

Comments:

Title Interim Abstract Test Suite for CLNP Intermediate Systems
Testing.

Organization: National Institute of Standards and Technology (NIST)
Building 225, Room B151
Gaithersburg, MD 20899

Issue Date: 30-OCT-90

Issue:

Comments:

ATS:1-8

Protocol: TP0

Transport Protocol Class 0

GOSIP Version: 1

Expire Date:

Comments:

Title ISO/OSI Transport Class 0 CTS-WAN Abstract Test Suite

Organization: National Computing Centre Limited

Oxford Road
Manchester M17ED
United Kingdom

Issue Date: 13-OCT-88

Issue: CTS-WAN/T&S/ABS/TR0/CS/1.0, Rev 2.1

Comments:

ATS:1-9

Protocol: TP4

Transport Protocol Class 4

GOSIP Version: 1

Expire Date:

Comments:

Title Transport Class 4 Tests and Testing Guide for ISO 8073
Transport Class 4 Implementations.

Organization: National Computing Centre Limited

Oxford Road
Manchester M17ED
United Kingdom

Issue Date: 01-JUL-90

Issue: NCC/TPD - 90/002, Issue 2

Comments:

ATS:2-1

Protocol: HDLC LAP-B

High Level Data Link Control, Logical Access Procedure B

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title Information Technology-Telecommunications and
Information Exchange Between Systems- X.25 DTE
Conformance Testing- Part 2: Data Link Layer
Conformance Test Suite

Organization: ISO/IEC JTC1/SC6
USA

Issue Date: 20-JAN-92

Issue: ISO/IEC 8882-2:1992(E), First Edition

Comments:

Title Defect Report to ISO/IEC 8882-2: 1992

Organization: ISO/IEC JTC1/SC6
USA

Issue Date: 30-MAR-92

Issue: X3S3.4/92-54

Comments:

GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum for X.25

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/x25-isd/x25.w51

ATS:2-10.1

Protocol: Session
Session

GOSIP Version: 2

Expire Date: 01-FEB-94

Comments: Superseded by ATS:2-10.2

Title Session Abstract Test Suite, Volumes 1, 2, and 3

Organization: CTS-WAN
USA

Issue Date: 01-SEP-88

Issue: CTS/WAN/T&S/ABS/SES/CS/1.0

Comments:

Title Session CTS-WAN Abstract Test Suite, CTS2 Extension

Organization: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Issue Date: 19-MAR-91

Issue: Version 2.0

Comments:

Title Abstract Test Suite Addendum for Session

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/atsaddenda/session/session-01.w51

ATS:2-10.2

Protocol: Session
Session

GOSIP Version: 2

Expire Date:

Comments:

Title Session Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-JAN-92

Issue: OSTC/T&S/ABS/SES/CS/2.1

Comments:

ATS:2-13.1

Protocol: MHS-84 Session
Message Handling System - 1984, Session Protocol

GOSIP Version: 2

Expire Date: 01-FEB-94

Comments: This ATS has been superseded by ATS:2-13.5; defects exist

Title Abstract Session Test Suite DSE MHS

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 18-JAN-89

Issue: OSTC/MHS/ABS/SES/DSE/3.0, Version 3.0

Comments:

Title Abstract Test Suit Addendum for MHS-84

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/mhs-84/mhs84-01.w51

ATS:2-13.2

Protocol: MHS-84{RTS}
Message Handling System - 1984, Reliable Transfer Service Profile

GOSIP Version: 2

Expire Date:

Comments:

Title MHS RTS Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-JUL-91

Issue: OSTC/MHS/ABS/RTS/2.0

Comments:

GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum for MHS-84

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/addenda.ats/mhs-84/mhs84-02.w51

ATS:2-13.3

Protocol: MHS-84{P1}
Message Handling System - 1984, P1 Profile

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title MHS Abstract Test Suite, P1 Protocol A/311 and A/3211

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 28-SEP-90

Issue: OSTC/MHS/ABS/P1/2.0

Comments:

Title Abstract Test Suite Addendum for MHS-84

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/addenda.ats/mhs-84/mhs84-03.w51

ATS:2-13.4

Protocol: MHS-84{P2}
Message Handling System - 1984, P2 Profile

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title MHS Abstract Test Suite, P2

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-SEP-92

Issue: OSTC/MHS/ABS/P2/2.0

Comments:

Title Abstract Test Suite Addendum for MHS-84

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/addenda.ats/mhs-84/mhs84-04.w51

ATS:2-13.5

Protocol: MHS-84 Session
Message Handling System - 1984, Session Protocol

GOSIP Version: 2

Expire Date:

Comments: This ATS supersedes ATS:2-13.1

Title ANNEX A - MHS '84 SPECIFIC PART

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 03-NOV-92

Issue: 2.0

Comments: This document is Annex A of document 2.

Title Common Abstract Test Suite for the Session Protocol

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 03-NOV-92

Issue: 2.0

Comments: Merge this common part with Annex A to form the full
MHS-84 test suite.

ATS:2-16.1

Protocol: FTAM{T1}
File Transfer, Access, and Management; Simple File
Transfer Profile

GOSIP Version: 2

Expire Date:

Comments:

GOSIP REGISTERS, *Continued*

Title T1-A/111, Volume 1 (Responder Tests) and Volume 2
(Initiator Tests)

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-JAN-88

Issue: CTS-WAN/FTAM/ABS/FTAM-A111/1.0

Comments:

ATS:2-16.10

Protocol: FTAM Presentation
File Transfer, Access, and Management; Presentation
Protocol

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM Presentation Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 11-JAN-91

Issue: OSTC/FTAM/ABS/FTAM/PRES/5.1

Comments:

ATS:2-16.11

Protocol: FTAM Presentation ASN.1
File Transfer, Access, and Management; Presentation
Abstract
Syntax Notation One

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM Presentation ASN.1 Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 13-NOV-91

Issue: OSTC/FTAM/ABS/FTAM/PRES/ASN.1/BER/2.4

Comments:

ATS:2-16.12

Protocol: FTAM Session
File Transfer, Access, and Management; Session Protocol

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM Session Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 17-SEP-91

Issue: OSTC/FTAM/ABS/FTAM/SES

Comments:

ATS:2-16.13

Protocol: FTAM Session R&R
File Transfer, Access, and Management; Session Restart
and Recovery

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM Session Restart and Recovery Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-JAN-92

Issue: OSTC/FTAM/ABS/FTAM/SES/R&R

Comments:

ATS:2-16.2

Protocol: FTAM{T1}
File Transfer, Access, and Management; Simple File
Transfer Profile

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM A/111 (T1) Responder ATS and FTAM A/111 (T1)
Initiator ATS

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-APR-91

Issue: CTS-WAN/FTAM/ABS/FTAM-A111/2.0, Version 2.0,
Volumes 1 and 2

Comments:

ATS:2-16.3

Protocol: FTAM{R&R}
File Transfer, Access, and Management; Restart and
Recovery Profile

GOSIP Version: 2

Expire Date:

Comments:

GOSIP REGISTERS, *Continued*

Title FTAM A/111 Restart and Recovery, Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date:

Issue: OSTC/FTAM/ABS/FTAM-A111 R&R/1.0

Comments:

ATS:2-16.4

Protocol: FTAM{R&R}

File Transfer, Access, and Management; Restart and

Recovery

Profile

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM A/111 Restart and Recovery, Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 29-OCT-91

Issue: OSTC/FTAM/ABS/FTAM-A111 R&R/2.0

Comments:

ATS:2-16.5

Protocol: FTAM{M1}

File Transfer, Access, and Management; Management Profile

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM A/13 ATS

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-JAN-90

Issue: FTAM/ABS/FTAM-A13/1.0

Comments:

ATS:2-16.6

Protocol: FTAM{M1}

File Transfer, Access, and Management; Management Profile

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM A/13 ATS, Version 2.0

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-AUG-91

Issue: FTAM/ABS/FTAM/A13/2.0

Comments:

ATS:2-16.7

Protocol: FTAM{T2}

File Transfer, Access, and Management; Positional File
Transfer Profile

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title FTAM A/112 Abstract Test Suite, Volume 1 (A/112
Responder) and Volume 2 (A/112 Initiator)

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-JAN-92

Issue: OSTC/FTAM/ABS/FTAM-A/112

Comments:

Title Abstract Test Suite Addendum for FTAM

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/addenda.ats/ftam/ftam-07.w51

ATS:2-16.8

Protocol: FTAM{A1}

File Transfer, Access, and Management; Simple File
Access Profile

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title FTAM A/122 Responder Abstract Test Suite (Volume 1) and
FTAM A/122 Initiator Abstract Test Suite (Volume 2)

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-JAN-92

Issue: OSTC/FTAM/ABS/FTAM-A/122

Comments:

GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum for FTAM

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/addenda.ats/ftam/ftam-08.w51

ATS:2-16.9

Protocol: FTAM ACSE

File Transfer, Access, and Management; Association
Control Service Element

GOSIP Version: 2

Expire Date:

Comments: ATS Consists of a common part and a specific annex.

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as
CTS2-ACSE V2.02

Title FTAM ACSE Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-JAN-92

Issue: OSTC/FTAM/ABS/FTAM/ACSE

Comments: This document is Annex D of Document 1. Without
OSTC cover, document is identified as ACSE_CTS2_FTAM.

ATS:2-17

Protocol: VT

Virtual Terminal

GOSIP Version: 2

Expire Date:

Comments: No registered ATS.

ATS:2-18

Protocol: ES-IS{ES}

End System to Intermediate System in End System

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title ES/IS in ES Abstract Test Suite

Organization: Alcatel TITN Answare

Aix-en-Provence
France

Issue Date: 01-MAY-93

Issue: Version 1.1

Comments:

Title Abstract Test Suite Addendum for End System to
Intermediate System

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/atsaddenda/lan-esis/ats/esis

ATS:2-18.A

Protocol: ES-IS{ES}

End System to Intermediate System in End System

GOSIP Version: 2

Expire Date:

Comments: JITC deficiencies noted against ATS:2-18.

Title ES/IS in ES Abstract Test Suite Addendum

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date: 01-MAR-94

Issue: Version 1

Comments:

ATS:2-19

Protocol: CONS

Connection Oriented Network Service

GOSIP Version: 2

Expire Date:

Comments: No registered ATS.

ATS:2-1A

Protocol: HDLC LAP-B

High Level Data Link Control, Logical Access Procedure B

GOSIP Version: 2

Expire Date:

Comments: This ATS consists of ATS:2-1 as modified by the
documents below.

ATS:2-2

Protocol: X.25 PLP

X.25 Packet Layer Protocol

GOSIP Version: 2

Expire Date:

Comments: Defects exist

GOSIP REGISTERS, *Continued*

Title Information Technology-Telecommunications and
Information Exchange Between Systems-X.25-DTE Conformance
Testing-Part 3: Packet Layer Conformance Test Suite
Organization: ISO/IEC JTC1/SC2/WG2
USA
Issue Date: 16-JAN-91
Issue: ISO/IEC 8882-3:1991(E), First Edition
Comments:

Title Defect Report to ISO/IEC 8882-3:1991
Organization: ISO/IEC JTC1/SC2/WG2
USA
Issue Date: 01-MAR-92
Issue: X3S3.7/92-49
Comments:

Title Abstract Test Suite Addendum for X.25
Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA
Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/addenda.ats/x25.isdn/x25.w51

ATS:2-20

Protocol: TP2
Transport Protocol Class 2

GOSIP Version: 2
Expire Date:
Comments: A revised version of this ATS is registered as
ATS:2-20A; defects exist

Title OSTC Abstract Test Suite, Transport Class 2
Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium
Issue Date: 31-JAN-91
Issue: OSTC/T&S/ABS/TR2/CS/2.0
Comments:

Title Abstract Test Suite Addendum for Transport
Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA
Issue Date:
Issue: Quarterly
Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/addenda.ats/transprt/tp2-
jars.w51
ATS:2-20A
Protocol: TP2
Transport Protocol Class 2
GOSIP Version: 2
Expire Date:
Comments: Minor revisions of ATS:2-20

Title OSTC Abstract Test Suite, Transport Class 2
Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium
Issue Date:
Issue: OSTC/T&S/ABS/TR2/CS/2.1
Comments:

ATS:2-21.1
Protocol: HDLC LAP-D
High Level Data Link Control, Logical Access Procedure D
GOSIP Version: 2
Expire Date:
Comments: Used in ISDN D Channel layer 2.

Title Integrated Services Digital Network Conformance Testing;
Layer 2 - Data Link Layer (LAPD); Part 1 - Basic Rate
Interface, User Side
Organization: National Institute of Standards and Technology (NIST)
Issue Date: 01-SEP-93
Issue: NIST Special Publication 823-4
Comments: This publication describes the LAP-D ATS for ISDN D
Channel Layer 2 as developed and approved by the ISDN
Conformance Testing (ICOT) Working Group of the NIUF

ATS:2-2A
Protocol: X.25 PLP
X.25 Packet Layer Protocol
GOSIP Version: 2
Expire Date:
Comments: This ATS consists of ATS:2-2 as modified by the
documents below.

ATS:2-3
Protocol: MAC & PLS [ISO 8802/3]
Medium Access Control and Physical Layer Signaling [ISO
8802/3]
GOSIP Version: 2
Expire Date:
Comments: Incorporates four test suites submitted by Corporation
for Open Systems (COS) International in October 1989

GOSIP REGISTERS, *Continued*

Title 802.3 Draft Abstract Test Suite for GOSIP Version 1

Organization: National Institute of Standards and Technology (NIST)
Building 225, Room B151
Gaithersburg MD 20899
USA

Issue Date: 01-AUG-90

Issue:

Comments:

ATS:2-4

Protocol: MAC & PLS [ISO 8802/4]
Medium Access Control and Physical Layer Signaling [ISO 8802/4]

GOSIP Version: 2

Expire Date:

Comments:

Title 802.4 MAC Sublayer Conformance Test System Test Case Reference Guide

Organization: Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax VA 22031
USA

Issue Date: 01-MAR-88

Issue: COS/TPD-88/008, Issue 1

Comments:

ATS:2-5

Protocol: MAC & PLS [ISO 8802/5]
Medium Access Control and Physical Layer Signaling [ISO 8802/5]

GOSIP Version: 2

Expire Date:

Comments: No Registered ATS

ATS:2-6

Protocol: LLC-1
Logical Link Control Type 1

GOSIP Version: 2

Expire Date:

Comments:

Title 802.2 LLC (Type 1) Abstract Test Suite Submission (extract from 802.3 10BASE5 Layer 2 Test System Results Analysis Guide - LLC Sublayer)

Organization: Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax VA 22031
USA

Issue Date: 01-AUG-90

Issue: Issue 1

Comments:

ATS:2-7

Protocol: CLNP{ES}
Connectionless Network Protocol, End System

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title Internet Protocol Tests and Testing Guide for ISO 8473 Connectionless Network Protocol Implementations

Organization: National Computing Centre Limited
Oxford Road
Manchester M17ED
United Kingdom

Issue Date: 01-JUL-90

Issue: NCC/TPD-90/003, Issue 2

Comments:

Title Abstract Test Suite Addendum for Connectionless Network Protocol (ES)

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/atsaddenda/lan-esis/ats/cenp

ATS:2-7.1

Protocol: CLNP{IS}
Connectionless Network Protocol, Intermediate System

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title Interim Abstract Test Suite for CLNP Intermediate Systems Testing

Organization: National Institute of Standards and Technology (NIST)

Building 225, Room B151
Gaithersburg MD 20899
USA

Issue Date: 30-OCT-90

Issue:

Comments:

Title Abstract Test Suite Addendum for Connectionless Network Protocol (IS)

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/atsaddenda/lan-esis/ats/cenp

ATS:2-8

Protocol: TP0
Transport Protocol Class 0

GOSIP Version: 2

Expire Date:

Comments: A revised version of this ATS is registered as
ATS:2-8A; defects exist

GOSIP REGISTERS, *Continued*

Title OSTC Abstract Test Suite, Transport Class 0

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 31-JAN-91

Issue: OSTC/T&S/ABS/TR0/CS/2.0

Comments:

Title Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/transport/tpo-jars.w51

ATS:2-8A

Protocol: TP0

Transport Protocol Class 0

GOSIP Version: 2

Expire Date:

Comments: Minor revision of ATS 2-8

Title OSTC Abstract Test Suite, Transport Class 0

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date:

Issue: OSTC/T&S/ABS/TRO/CS/2.1

Comments:

ATS:2-9.1

Protocol: TP4-CLNS

Transport Protocol Class 4 Over Connectionless Network Service

GOSIP Version: 2

Expire Date:

Comments: New ATS under development by EWOS; defects exist

Title Transport Class 4 over CLNS Abstract Test Suite

Organization: Alcatel TITN Answare
Aix-en-Provence
France

Issue Date: 07-MAY-92

Issue: Version 2.2

Comments:

Title Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/transport/t4l-jars.w51

ATS:2-9.2

Protocol: TP4

Transport Protocol Class 4

GOSIP Version: 2

Expire Date:

Comments: New ATS under development by EWOS; defects exist

Title Transport Class 4 Tests and Testing Guide for ISO 8073
Transport Class 4 Implementations

Organization: National Computing Centre Limited
Oxford Road
Manchester M17ED
United Kingdom

Issue Date: 01-MAY-92

Issue: ISG-DEV-008-10-004, Issue 5

Comments:

Title Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/transport/tp4-jars.w51

ATS:2-9.3

Protocol: TP4-CONS

Transport Protocol Class 4 Over Connection Oriented
Network Service

GOSIP Version: 2

Expire Date:

Comments: New ATS under development by EWOS; defects exist

Title Transport Class 4 over CONS Abstract Test Suite

Organization: Alcatel TITN Answare
Aix-en-Provence
France

Issue Date: 30-SEP-91

Issue: Version 2.0

Comments:

GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/transprt/t4o-jars.w51

ATS:3-22.1.1

Protocol: MHS-88 Session

Message Handling System - 1988, Session

GOSIP Version: 3

Expire Date: 01-FEB-94

Title MHS-88 DSE Session ATS

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 20-DEC-90

Issue: MHS-88/ABS/SES/DSE/1.0

Comments:

ATS:3-22.1.2

Protocol: MHS-88 Session

Message Handling System - 1988, Session

GOSIP Version: 3

Expire Date:

Comments: Supersedes ATS:3-22.1.1; defects exists

Title ANNEX B - MHS '88 SPECIFIC PART

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 03-NOV-92

Issue: 2.0

Comments: This document is Annex B of document 2.

Title Common Abstract Test Suite for the Session Protocol

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 03-NOV-92

Issue: 2.0

Comments: Merge this common part with Annex B to form the full MHS-88 test suite.

Title Abstract Test Suite Addendum for MHS-88

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/mhs-88/mhs88-02.w51

ATS:3-22.2.1

Protocol: MHS-88 {PRES-MH}

Message Handling System - 1988, Presentation - MH

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 Presentation Abstract Test Suite MH (88) Part

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 20-DEC-91

Issue: OSTC/MHS-88/ABS/PRES/MH/1.0

Comments: This document is Annex A of document 2. Without OSTC cover, document is identified as CTS2/XMHS/MH/PRES/ATS/V3.1

Title MHS '88 Presentation - Common Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 20-DEC-91

Issue: OSTC/MHS-88/ABS/PRES/ALL/1.0

Comments: Without OSTC cover, document is identified as CTS2/XMHS/ALL/ PRES/ATS/V4.0 CTS2_XX_PRES

ATS:3-22.3.1

Protocol: MHS-88 {ACSE-MH}

Message Handling System -1988, Association Control Service Element - MH

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite MH

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 04-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/MH/1.0

Comments: This is Annex C of Document 2. Without OSTC cover, document is identified as ACSE_ATS_MHS_SPECIFIC_PART V2.03.

GOSIP REGISTERS, *Continued*

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as
CTS2-ACSE V2.02

ATS:3-22.3.2

Protocol: MHS-88 {ACSE-P3-UA}

Message Handling System - 1988, Association Control
Service Element-P3-UA

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite P3-UA

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B4 of Document 2. Without OSTC cover,
document is identified as ACSE_ATS_RA_SPECIFIC_PART
P3-UA V2.03

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as
CTS2-ACSE V2.02

ATS:3-22.3.3

Protocol: MHS-88 {ACSE-P3-MTA}

Message Handling System - 1988, Association Control
Service Element-P3-MTA

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite P3-MTA

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B5 of Document 2. Without OSTC cover,
document is identified as ACSE_ATS_RA_SPECIFIC_PART
P3-MTA V2.03

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as
CTS2-ACSE V2.02

ATS:3-22.3.4

Protocol: MHS-88 {ACSE-P3-MS}

Message Handling System - 1988, Association Control
Service Element-P3-MS

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite P3-MS

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B3 of Document 2. Without OSTC cover,
document is identified as ACSE_ATS_RA_SPECIFIC PART
P3-MS V2.03

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as
CTS2-ACSE V2.02

ATS:3-22.3.5

Protocol: MHS-88 {ACSE-P7-UA}

Message Handling System - 1988, Association Control
Service Element-P7-UA

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite P7-UA

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B2 of Document 2. Without OSTC cover,
document is identified as ACSE_ATS_RA_SPECIFIC_PART
P7-UA V2.03

GOSIP REGISTERS, *Continued*

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as
CTS2-ACSE V2.02
ATS:3-22.3.6

Protocol: MHS-88 {ACSE-P7-MS}
Message Handling System - 1988, Association Control
Service Element-P7-MS

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite P7-MS

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B1 of Document 2. Without OSTC cover,
document is identified as ACSE_ATS_RA_SPECIFIC_PART
P7-MS V2.03

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as
CTS2-ACSE V2.02

ATS:3-22.4

Protocol: MHS-88 {RTSE}
Message Handling System - 1988, Reliable Transfer
Service Element

GOSIP Version: 3

Expire Date:

Comments: Defects exist

Title MHS '88 RTSE Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 15-OCT-91

Issue: OSTC/MHS-88/ABS/RTSE/1.0

Comments: Without OSTC cover, document is identified as
CTS2/XMHS/MH/RTSE/ATS/V6.0

Title Abstract Test Suite Addendum for MHS-88

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/addenda.ats/mhs-88/mhs88-14.w51

ATS:3-22.5

Protocol: MHS-88 {P1}
Message Handling System - 1988, P1 Profile

GOSIP Version: 3

Expire Date:

Comments: Defects exist

Title MHS '88 P1 Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 08-JAN-92

Issue: OSTC/MHS-88/ABS/P1/1.0

Comments: Without OSTC cover, document is identified as
CTS2/XMHS/MH/P1/ATS/V2.5.

Title Abstract Test Suite Addendum for MHS-88

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory:
public/addenda.ats/mhs-88/mhs88-15.w51

ATS:3-22.6

Protocol: MHS-88 {P2}
Message Handling System - 1988, P2 Profile

GOSIP Version: 3

Expire Date:

Comments: Defects exist

Title MHS '88 P2 Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 26-MAY-91

Issue: OSTC/MHS-88/ABS/P2/1.0

Comments: Without OSTC cover, this document is identified as
CTS2/XMHS/MH/P2/ATS/V3.2

GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum fro MHS-88

Organization: Joint Interoperability Test Center
 ATTN: TCDBA, Bldg. # 57305
 Ft. Huachuca AZ 85613-7020
 USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
 Address]; directory: public/addenda.ats/mhs-88/mhs88-16.w51

ATS:3-22.7.1

Protocol: MHS-88 {P3-UA}

Message Handling System - 1988, P3-UA Profile

GOSIP Version: 3

Expire Date:

Comments:

Title MHS '88 P3-UA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium

Issue Date: 30-SEP-91

Issue: OSTC/MHS-88/ABS/P3-UA/1.0

Comments: Without OSTC cover, document is identified as
 CTS2/XMHS/RA/P3-UA/ATS/V4.0

ATS:3-22.7.2

Protocol: MHS-88 {P3-MTA}

Message Handling System - 1988, P3-MTA Profile

GOSIP Version: 3

Expire Date:

Comments:

Title MHS '88 P3-MTA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium

Issue Date: 18-SEP-91

Issue: OSTC/MHS-88/ABS/P3-MTA/1.0

Comments: Without OSTC cover, document is identified as
 CTS2/XMHS/RA/P3-MTA/ATS/V4.0

ATS:3-22.8.1

Protocol: MHS-88 {P7-UA}

Message Handling System - 1988, P7-UA Profile

GOSIP Version: 3

Expire Date:

Comments:

Title MHS '88 P7-UA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium

Issue Date: 18-SEP-91

Issue: OSTC/MHS-88/ABS/P7-UA/1.0

Comments: Without OSTC cover, document is identified as
 CTS2/XMHS/RA/P7-UA/ATS/V4.0

ATS:3-22.8.2

Protocol: MHS-88 {P7-MS}

Message Handling System - 1988, P7-MS Profile

GOSIP Version: 3

Expire Date:

Comments:

Title MHS '88 P7-MS Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium

Issue Date: 19-SEP-91

Issue: OSTC/MHS-88/ABS/P7-MS/1.0

Comments: Without OSTC cover, document is identified as
 CTS2/XMHS/RA/P7-MS/ATS/V4.0

ATS:3-23

Protocol: X.500

Directory Services

GOSIP Version: 3

Expire Date:

Comments: No Registered ATS. NIST plans to establish a
 conformance testing infrastructure for Directory Services by
 the end of 1993

ATS:3-23.1

Protocol: X.500-88 SESSION

X.500-88 Directory Services - Session

GOSIP Version: 3

Expire Date:

Comments: Refer to the ATS addendum for any applicable JARs

Title Session Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium

Issue Date: 01-SEP-91

Issue: OSTC/DS/ABS/SESS/1.01 (PUB: 216)

Comments: Without OSTC cover, document is identified as CTS2
 Version: 2.3 and Amendment 01.

GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center
 ATTN: TCDBA, Bldg. # 57305
 Ft. Huachuca AZ 85613-7020
 USA
 Issue Date:
 Issue: Quarterly
 Comments: anonymous ftp to 138.27.7.2, password: [use Internet
 Address]; directory: public/addenda.ats/x500-88/ds88-06

ATS:3-23.2.1
 Protocol: X.500-88 PRESENTATION DS
 X.500-88 Directory Services - Presentation - DS
 GOSIP Version: 3
 Expire Date:
 Comments: ATS consists of a specific annex and a common part.
 Refer to the ATS addendum for any applicable JARs. Defects exist.

Title Presentation Abstract Test Suite (Specific Part)

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium
 Issue Date: 01-DEC-91
 Issue: OSTC/DS/ABS/PRES/1.01 (PUB: 215)
 Comments: Without OSTC cover, document is identified as CTS2
 Version: 4.0 and Amendment 01.

Title Presentation Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium
 Issue Date:
 Issue: OSTC/ALL/ABS/PRES/1.0
 Comments: Without OSTC cover, document is identified as CTS2
 Version: 4.0

Title Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center
 ATTN: TCDBA, Bldg. # 57305
 Ft. Huachuca AZ 85613-7020
 USA
 Issue Date:
 Issue: Quarterly
 Comments: anonymous ftp to 138.27.7.2, password: [use Internet
 Address]; directory: public/atsaddenda/X500-88/DS88-04

ATS:3-23.3.1
 Protocol: X.500-88 ACSE DS
 X.500-88 Directory Services - ACSE - DS
 GOSIP Version: 3
 Expire Date:
 Comments: ATS consists of a specific annex and a common part.
 Refer to the ATS addendum for any applicable JARs.

Title ACSE Abstract Test Suite (Specific Part)

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium
 Issue Date: 01-DEC-91
 Issue: OSTC/DS/ABS/ACSE/1.0 (PUB: 300)
 Comments: Without OSTC cover, document is identified as CTS2
 Version 2.03.

Title ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium
 Issue Date:
 Issue: OSTC/ALL/ABS/ACSE/1.0
 Comments: Without OSTC cover, document is identified as CTS2
 Version: 2.02

ATS:3-23.4.1
 Protocol: X.500-88 ROSE DS
 X.500-88 Directory Services - ROSE - DS
 GOSIP Version: 3
 Expire Date:
 Comments: ATS consists of specific annex and common part.
 Note that specific part does not contain any ATCs; however, the
 DAP DUA/DSA ATSS do contain some ROSE test cases

Title ROSE Abstract Test Suite (Specific Part)

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium
 Issue Date: 01-SEP-90
 Issue: OSTC/DS/ABS/ROSE/1.0 (PUB: 211)
 Comments: Without OSTC cover, document is identified as CTS2
 Version 2.0

Title ROSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat
 Rue du Trone, 12
 B-1050 Brussels
 Belgium
 Issue Date: 01-SEP-90
 Issue: OSTC/ALL/ABS/ROSE/1.0
 Comments: Without OSTC cover, document is identified as CTS2
 Version: 2.0

ATS:3-23.5.1
 Protocol: X.500-88 DAP DSA
 X.500-88 Directory Services - DAP DSA
 GOSIP Version: 3
 Expire Date:
 Comments: Refer to the ATS addendum for any applicable JARs;
 defects exist

GOSIP REGISTERS, *Continued*

Title DAP/DSA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels
Belgium

Issue Date: 01-NOV-92

Issue: OSTC/DS/ABS/DSA/1.01 (PUB: 209)

Comments: None

Title Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/atsaddenda/X500-88/DS88-01

ATS:3-23.5.2

Protocol: X.500-88 DAP DUA
X.500-88 Directory Services - DAP DUA

GOSIP Version: 3

Expire Date:

Comments: Refer to the ATS addendum for any applicable JARs;
defects exist

Title Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center
ATTN: TCDBA, Bldg. # 57305
Ft. Huachuca AZ 85613-7020
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet
Address]; directory: public/atsadenda/X500-88/DS88-02

ATS:3-24-1

Protocol: MMS
Manufacturing Message Specification

GOSIP Version: 2

Expire Date:

Comments:

Title MMS Provider Test Specifications

Organization: Consortium for Communication Testing, c/o ACERLI
5 Voie Verte
92260 Fontenay-aux-Roses
France

Issue Date: 20-MAR-92

Issue: MMS Provider, Ver 2.1

Comments:

ATS:3-24-2

Protocol: MMS
Manufacturing Message Specification

GOSIP Version: 2

Expire Date:

Comments:

Title MMS Server/Client Test Suite Structure and Test Purposes

Organization: Consortium for Communication Testing, c/o ACERLI
5 Voie Verte
92260 Fontenay-aux-Roses
France

Issue Date: 10-DEC-92

Issue: MMS Server/Client, Ver. 1.2

Comments:

ATS:3-25

Protocol: X.500-93 DS
X.500-93 Directory Services

GOSIP Version: 3

Expire Date:

Comments: No Registered ATS. NIST plans to establish a
conformance testing infrastructure for X.500-93 as soon as
ATSS are available.

6. NIST POSIX CONFORMANCE TESTING

6.1 FIPS POSIX Standard

The National Institute of Standards and Technology through its Computer Systems Laboratory (NIST/CSL) has established a conformance testing program for the Federal Information Standard for POSIX (FIPS 151-1 and FIPS 151-2). FIPS 151-2 replaced FIPS 151-1 in its entirety on October 15, 1993. These standards are based on the IEEE POSIX Std. 1003.1-1988 (FIPS 151-1) and ISO/IEC 9945-1:1990 (FIPS 151-2). The testing model includes a Certification Authority, NVLAP Accredited Testing Laboratories, Clients and the official NIST POSIX Conformance Test Suites. The Certification Authority is the Director of NIST/CSL. The National Voluntary Laboratory Accreditation Program (NVLAP), part of NIST, accredits the testing laboratories. The test suites NIST-PCTS:151-1 and NIST-PCTS:151-2 were developed by NIST/CSL and are based on the test assertions specified by the IEEE Standard for Information Technology — Test Methods for Measuring Conformance to POSIX, IEEE Std. 1003.3-1991 (NIST-PCTS:151-1) and the IEEE Standard for Information Technology — Test Methods for Measuring conformance to POSIX.1, IEEE Std 2003.1-1992 (NIST-PCTS:151-2).

6.2 POSIX Test Procedures

There are Accredited POSIX Testing Laboratories (APTLs) accredited by NVLAP for using one or both test suites. NVLAP accreditation is renewable after one year, and identifies the specific testing procedures which the lab is authorized to run. The labs provide testing and analysis services to their clients and may forward the final test results to NIST/CSL for evaluation and subsequent issuance of a Certificate of Validation by NIST/CSL.

Testing policy documents and registers of validated products and accredited laboratories and available on an electronic mail (email) file server system. For most email systems, send an email message to posix@nist.gov (mail posix@nist.gov). The first line of the message should contain a command to send index (send index). After issuing the send command and a carriage return, end the email message. A listing of all of the available files will be returned via email to the requesting email address.

6.3 POSIX Test Suite

The NIST-PCTS:151-2 is available from NIST/CSL, POSIX Certification Authority, Building 225 Room B266, National Institute of Standards and Technology, Gaithersburg, MD 20899.

6.4 Validation Requirements

An accredited lab may submit a "clean" test report to NIST/CSL for evaluation in anticipation of a Certificate of Validation being issued. "Clean" implies no test assertion failures. The Certificate of Validation will confirm that the stated product has been tested using the official NIST-PCTS and that the test results have been validated by NIST/CSL. The Certificate of Validation and the Test Results Summary contain information on the product tested, the implementation that was tested, the suppliers, conditional features that were tested, configuration details and the identification of the testing laboratory. These certificates are issued by NIST/CSL through the testing lab. Fees for services by the testing labs are established by the labs.

6.5 TESTING LABORATORIES for NIST POSIX (FIPS 151-1)

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-1 (FIPS 151-1) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-1). Only accredited laboratories may submit test reports to NIST/CSL for validation.

ACCREDITED NIST POSIX TESTING LABORATORIES

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-1 (FIPS 151-1) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-1). Only accredited laboratories may submit test reports to NIST/CSL for validation.

BULL S.A. / Laboratoire POSIX

1 rue de Provence / BP208
38432 ECHIROLLES CEDEX (France)

Contact: Mr. Georges Chardon

Phone: (33) 76 39 75 93

DataFocus Incorporated

12450 Fair Lakes Circle, Suite 400
Fairfax, VA 22033-3831

Contact: Mr. Glen McPherson

Phone: 703-631-6770

Mindcraft, Inc.

410 Cambridge Avenue
Palo Alto, CA 94306

Contact: Mr. Bruce Weiner

Phone: 415-323-9000

PERENNIAL

4699 Old Ironsides Drive, Suite 210
Santa Clara, CA 95054

Contact: Mr. Barry E. Hedquist

Phone: 408-748-2900

6.6 VALIDATED PRODUCTS for NIST POSIX (FIPS 151-1)

NIST POSIX VALIDATED PRODUCTS

The following products have been tested by an Accredited POSIX Testing Laboratory (APTL) using the official National Institute of Standards and Technology POSIX Conformance Test Suite (NIST-PCTS:151-1) for the Federal Information Processing Standards Publication 151-1 (FIPS PUB 151-1). A Certificate of Validation has been issued by NIST/CSL. Additional information is available from NIST/CSL on conditional features supported, configuration details, and resolved test codes (if appropriate).

<u>PRODUCT SUPPLIERS</u>	<u>REFERENCE FILE #</u>	<u>SYSTEM SUPPLIERS</u>	<u>REFERENCE FILE #</u>
Amdahl Corporation	AMD5598	AGI Computer, Inc.	EVR0901
Apple Computer Inc.	APP2482, APP3355, APP7204, APP7224, APP7235, APP8616, APP9125, APP9165	Alpha Systems Lab	SUN3403
AT&T	ATT1566	Amdahl Corporation	AMD5598
BULL S.A.	BUL2387, BUL6051	Apple Computer Inc.	APP2482, APP3355, APP7204, APP7224, APP7235, APP8616, APP9125, APP9165
Control Data Corporation	CDC1101, CDC5574, CDC5750	AST Research, Inc.	SCO4102, UNV3055, UNV9180, USL2115, USL6259
CONVEX Computer Corporation	CON0202, CON2551, CON6027	AT&T	ATT1566, USL3610
Cray Research, Inc.	CRA2641	BULL S.A.	BUL2387, BUL6051
Data General Corporation	DGC2542, DGC4767, DGC8016, DGC8703, DGC9391, DGC9574	Compaq Computer Corporation	INT5154, LNX3076, SUN6859
Digital Equipment Corp.	DEC0319, DEC0638, DEC4670, DEC5794, DEC7386, DEC7833, DEC7917, DEC8003, DEC9418, DEC9672	Control Data Corporation	CDC1101, CDC5574, CDC5750
Encore Computer Corporation	ENC6897	CONVEX Computer Corp.	CON0202, CON2551, CON6027
ESIX/Everex Systems, Inc.	EVR0901, EVR9749	Cray Research, Inc.	CRA2641
Harris Corporation	HAR5240	Data General Corporation	DGC2542, DGC4767, DGC8016, DGC8703, DGC9391, DGC9574, SCO6748
Hewlett-Packard Company	HPC0115, HPC0303, HPC0535, HPC0603, HPC1581, HPC1992, HPC2540, HPC2698, HPC2952, HPC3574, HPC3760, HPC3897, HPC4246, HPC6304, HPC6391, HPC6637, HPC6906, HPC7051, HPC7716, HPC8098, HPC9185	Dell Computer Corporation	SUN1065
Interactive Systems Corp.	INT5154	Diamond Flower Incorporated	SCO3664, SCO8054
Intergraph Corporation	INT4675	Digital Equipment Corp.	DEC0319, DEC0638, DEC4670, DEC5794, DEC7386, DEC7833, DEC7917, DEC8003, DEC9418, DEC9672
International Business Machines, Inc.	IBM0320, IBM0458, IBM1344, IBM2592, IBM3697	Encore Computer Corporation	ENC6897
Lynx Real-Time Systems, Inc.	LNX3076	ESIX/Everex Systems, Inc.	EVR9749
Modular Computer Systems, Inc.	MOD4817	Harris Corporation	HAR5240
Motorola Computer Group	MOT1086, MOT5618	Hewlett-Packard Company	HPC0115, HPC0303, HPC0535, HPC1581, HPC1992, HPC2540, HPC2698, HPC2952, HPC3574, HPC3760, HPC3897, HPC4246, HPC0603, HPC6304, HPC6391, HPC6637, HPC6906, HPC7051, HPC7716, HPC8098, HPC9185
NCR Corporation	NCR0554, NCR1448, NCR2047, NCR2805, NCR3061, NCR3331, NCR4518, NCR5533, NCR7380, NCR7549	Intergraph Corporation	INT4675
NeXT Computer, Inc.	NXT0623	International Business Machines	IBM0320, IBM0458, IBM1344, IBM2592, IBM3697
Pyramid Technology Corporation	PYR1271, PYR3067, PYR3233, PYR4970, PYR9863	Modular Computer Systems, Inc.	MOD4817
Santa Cruz Operation Inc.	SCO3664, SCO3832, SCO4102, SCO5199, SCO6748, SCO8054, SCO9875	Motorola Computer Group	MOT1086, MOT5618
Sequent Computer Systems Inc.	SEC8754	NCR Corporation	NCR0554, NCR1448, NCR2047, NCR2805, NCR3061, NCR3331, NCR4518, NCR5533, NCR7380, NCR7549
Silicon Graphics, Inc.	SGI5507, SGI9297	NeXT Computer, Inc.	NXT0623
Sun Microsystems Computer Corp.	SUN1065, SUN1442, SUN2031, SUN2727, SUN2930, SUN3272, SUN3402, SUN5684, SUN5782, SUN5970, SUN6602, SUN7188, SUN7793	Pyramid Technology Corp.	PYR1271, PYR3067, PYR3233, PYR4970, PYR9863
SunSoft, Inc.	SUN0617, SUN2241, SUN3129, SUN3403, SUN4529, SUN5382, SUN6635, SUN6859, SUN8720, SUN9763	RDI	SUN3402
Unisys Corporation	UNI0505, UNI1798, UNI3690, UNI5711, UNI9063, UNI9080	Sequent Computer Systems Inc.	SEC8754
Univel	UNV0528, UNV2014, UNV3055, UNV3978, UNV9180	Silicon Graphics, Inc.	SGI5507, SGI9297
UNIX System Laboratories	USL2115, USL3610, USL6259	Sun Microsystems Corp.,	SUN0617, SUN1442, SUN2031, SUN2241, SUN2727, SUN2930, SUN3129, SUN3272, SUN4529, SUN5382, SUN5684, SUN5782, SUN5970, SUN6602, SUN6635, SUN7188, SUN7793, SUN8720, SUN9763
		Unsys Corporation	SCO9875, UNI0505, UNI1798, UNI3690, UNI5711, UNI9063, UNI9080, UNV0528, UNV2014, UNV3978
		Zenith Data Systems	SCO3832, SCO5199

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: AMD5598

Product Supplier: Amdahl Corporation
 Product Tested: UTS System Version: 4 Release: 1
 System Supplier: Amdahl Corporation
 System Hardware: 5995M Model: 4550
 C Compiler: Amdahl C Version: 1.5 Release: June, 1993
 PCTS: 151-1 Version: 1.1 - 05/21/92
 APTL: 0342 Mindcraft, Inc. Date Issued: 07/23/93

Reference File #: APP2482

Product Supplier: Apple Computer Inc.
 Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991
 System Supplier: Apple Computer Inc.
 System Hardware: Macintosh Model: Ilfx
 C Compiler: A/UX native C compiler (cc) Ver: 1.21 Rel: 1/13/1991
 PCTS: 151-1 Version: 1.1 - 04/26/91
 APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: APP3355

Product Supplier: Apple Computer Inc.
 Product Tested: A/UX Version: 3.0 Release: March 9, 1992
 System Supplier: Apple Computer Inc.
 System Hardware: Macintosh Model: Quadra 700
 C Compiler: A/UX native C compiler (cc) Ver: 1.23 Rel: Feb 9, 1992
 PCTS: 151-1 Version: 1.1 - 01/22/92
 APTL: 0342 Mindcraft, Inc. Date Issued: 04/16/92

Reference File #: APP7204

Product Supplier: Apple Computer Inc.
 Product Tested: A/UX Version: 3.0.1 Release: April 23, 1993
 System Supplier: Apple Computer Inc.
 System Hardware: Workgroup Server Model: 80
 C Compiler: A/UX Developer's Tools (c89) Ver: 1.1 Rel: Apr 1, 1992
 PCTS: 151-1 Version: 1.1 - 05/21/92
 APTL: 0342 Mindcraft, Inc. Date Issued: 06/24/93

Reference File #: APP7224

Product Supplier: Apple Computer Inc.
 Product Tested: A/UX Version: 3.0 Release: March 9, 1992
 System Supplier: Apple Computer Inc.
 System Hardware: Macintosh Model: Quadra 950
 C Compiler: A/UX native C compiler (cc) Ver: 1.23 Rel: Feb 9, 1992
 PCTS: 151-1 Version: 1.1 - 01/22/92
 APTL: 0342 Mindcraft, Inc. Date Issued: 05/14/92

Reference File #: APP7235

Product Supplier: Apple Computer Inc.
 Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991
 Supplier: Apple Computer Inc. Hardware: Macintosh Model: Ilci
 C Compiler: A/UX native C compiler (cc) Ver: 1.21 Rel: 01/13/1991
 PCTS: 151-1 Version: 1.1 - 04/26/91
 APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: APP8616

Product Supplier: Apple Computer Inc.
 Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991
 Supplier: Apple Computer Inc. Hardware: Macintosh Model: Ilci
 C Compiler: A/UX native C compiler (cc) Ver: 1.21 Rel: 01/13/1991
 PCTS: 151-1 Version: 1.1 - 04/26/91
 APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: APP9125

Product Supplier: Apple Computer Inc.
 Product Tested: A/UX Version: 3.0 Release: March 9, 1992
 System Supplier: Apple Computer Inc.
 System Hardware: Macintosh Model: Quadra 700
 C Compiler: A/UX Developer's Tools (c89) Ver: 1.1 Rel: April 1, 1992
 PCTS: 151-1 Version: 1.1 - 05/21/92
 APTL: 0342 Mindcraft, Inc. Date Issued: 08/11/92

Reference File #: APP9165

Product Supplier: Apple Computer Inc.
 Product Tested: A/UX Version: 3.0 Release: March 9, 1992
 System Supplier: Apple Computer Inc.
 System Hardware: Macintosh Model: Quadra 950
 C Compiler: A/UX Developer's Tools (c89) Ver: 1.1 Rel: Apr 1, 1992
 PCTS: 151-1 Version: 1.1 - 05/21/92
 APTL: 0342 Mindcraft, Inc. Date Issued: 08/11/92

Reference File #: ATT1566

Product Supplier: AT&T
 Product Tested: AT&T UNIX System V Ver: Release 4 Rel: 4.0.3
 System Supplier: AT&T
 System Hardware: AT&T 3B2 R3 Series Model: 3B2/600 GR
 C Compiler: AT&T 3B2/RISC C Development System Version: 1.0
 PCTS: 151-1 Version: 1.1 - 09/11/91
 APTL: 0343 DataFocus Incorporated Date Issued: 11/06/91

Reference File #: BUL2387

Product Supplier: BULL S.A.
 Product Tested: BOS Version: 2 Release: 1
 System Supplier: BULL S.A.
 System Hardware: DPX/2 Model: 200
 C Compiler: C Compiler Version: 72 Release: 1
 PCTS: 151-1 Version: 1.1 - 05/21/92
 APTL: 0373 BULL S.A./Laboratoire POSIX Date Issued: 2/24/93

Reference File #: BUL6051

Product Supplier: BULL S.A.
 Product Tested: BOS/X Version: 3 Release: 2
 System Supplier: BULL S.A.
 System Hardware: DPX/20 Model: 620
 C Compiler: BOS/X XLC C Compiler Version: 1 Release: 02
 PCTS: 151-1 Version: 1.1 - 05/21/92
 APTL: 0373 BULL S.A./Laboratoire POSIX Date Issued: 1/22/93

Reference File #: CDC1101

Product Supplier: Control Data Corporation
 Product Tested: EP/IX Version: 1.4.2 Release: November 27, 1991
 System Supplier: Control Data Corporation
 System Hardware: Control Data 4000 Model: 4680MP
 C Compiler: EP/IX C Language RISCCompiler V: C 2.11 Rel: July 1990
 PCTS: 151-1 Version: 1.1 - 09/11/91
 APTL: 0356 Applications Software Incorporated Date Issued: 1/29/92

Reference File #: CDC5574

Product Supplier: Control Data Corporation
 Product Tested: EP/IX Version: 1.3.1 Release: 03/21/1991
 System Supplier: Control Data Corporation
 System Hardware: Control Data 4000 Model: 4330-250
 C Compiler: EP/IX C Language RISCCompiler Version: 2.11 Release: July 1990
 PCTS: 151-1 Version: 1.1 - 04/26/91
 APTL: 0356 Applications Software Incorporated Date Issued: 05/24/91

Reference File #: CDC5750

Product Supplier: Control Data Corporation
 Product Tested: EP/IX Version: 1.3.1 Release: 03/21/1991
 System Supplier: Control Data Corporation
 System Hardware: Control Data 4000 Model: 4680
 C Compiler: EP/IX C Language RISCCompiler Version: 2.11 Release: 07/16/1990
 PCTS: 151-1 Version: 1.1 - 04/26/91
 APTL: 0356 Applications Software Incorporated Date Issued: 05/24/91

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: CON0202

Product Supplier: CONVEX Computer Corporation
Product Tested: ConvexOS Version: 10.1 Release: C200 Series
System Supplier: CONVEX Computer Corporation
System Hardware: C2 Model: C220
C Compiler: CONVEX C Version: 4.3.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/11/92

Reference File #: CON2551

Product Supplier: CONVEX Computer Corporation
Product Tested: ConvexOS Version: 10.1 Release: C3800 Series
System Supplier: CONVEX Computer Corporation
System Hardware: C38 Model: C3810
C Compiler: CONVEX C Version: 4.3.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/11/92

Reference File #: CON6027

Product Supplier: CONVEX Computer Corporation
Product Tested: ConvexOS Version: 10.1 Release: C3400 Series
System Supplier: CONVEX Computer Corporation
System Hardware: C34 Model: C3440
C Compiler: CONVEX C Version: 4.3.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/11/92

Reference File #: CRA2641

Product Supplier: Cray Research, Inc.
Product Tested: UNICOS Version: 7.0.5.bu Release: 7.0
System Supplier: Cray Research, Inc.
System Hardware: Cray Y-MP Model: YMP2E/232-4
C Compiler: Cray Standard C Compiler Release: 3.0.5 (5/20/93)
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 10/14/93

Reference File #: DEC0319

Product Supplier: Digital Equipment Corporation
Product Tested: DEC OSF/1 Version: 1.2 Release: March 1993
System Supplier: Digital Equipment Corporation
System Hardware: DEC/3000 Model: 500
C Compiler: DEC OSF/1 for AXP C Compiler Version: 1 Release: March 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 03/10/93

Reference File #: DEC0638

Product Supplier: Digital Equipment Corporation
Product Tested: VMS Version: 5 Release: 5 (with VMS POSIX, version 1.0)
System Supplier: Digital Equipment Corporation
System Hardware: VAXstation Model: 3100 M76
C Compiler: VAX C Version: 3 Release: 2
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0343 DataFocus Incorporated Date Issued: 01/29/92

Reference File #: DEC4670

Product Supplier: Digital Equipment Corporation
Product Tested: The ULTRIX Operating System Version: 4.3A Release: July 1993
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 5000/150
C Compiler: Mips C Compiler Version: 3.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 06/24/93

Reference File #: DEC5794

Product Supplier: Digital Equipment Corporation
Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991
System Supplier: Digital Equipment Corporation
System Hardware: VAXstation II Model: GPX
C Compiler: pcc Version: 4.2
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 06/17/91

Reference File #: DEC7386

Product Supplier: Digital Equipment Corporation
Product Tested: The ULTRIX Operating System Version: 4.3 Release: August 1992
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 5000/200
C Compiler: Mips C Compiler Version: 2.10
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 09/18/92

Reference File #: DEC7833

Product Supplier: Digital Equipment Corporation
Product Tested: OpenVMS VAX Version: 6 Release: 0 (with OpenVMS VAX POSIX, Version X1.2-35E)
System Supplier: Digital Equipment Corporation
System Hardware: VAXstation Model: 3100 M76
C Compiler: VAX C Version: 3 Release: 2
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 10/14/93

Reference File #: DEC7917

Product Supplier: Digital Equipment Corporation
Product Tested: the ULTRIX Operating System Version: 4.2A Release: November 18, 1991
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 3100
C Compiler: MIPS C Compiler Version: 2.10
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0342 Mindcraft, Inc. Date Issued: 12/06/91

Reference File #: DEC8003

Product Supplier: Digital Equipment Corporation
Product Tested: The ULTRIX Operating System Version: 4.3A Release: July 1993
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 5000/260
C Compiler: Mips C Compiler Version: 3.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 06/24/93

Reference File #: DEC9418

Product Supplier: Digital Equipment Corporation
Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 3100
C Compiler: MIPS C Compiler Version: 2.10
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 06/17/91

Reference File #: DEC9672

Product Supplier: Digital Equipment Corporation
Product Tested: The ULTRIX Operating System Version: 4.2A Release: December 1991
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 5000/200
C Compiler: MIPS C Compiler Version: 2.10
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0342 Mindcraft, Inc. Date Issued: 02/12/92

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: DGC2542

Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4
System Supplier: Data General Corporation
System Hardware: AViion 5000 Model: AV/5240
C Compiler: GNU C Compiler for AViION Systems Version: 1.37.23
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: DGC4767

Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4.2 Release: August 1992
System Supplier: Data General Corporation
System Hardware: AViion AV/530/4600 Model: AV/532
C Compiler: GNU C Compiler for AViION Systems Version: DG-2.2.3
Release: August 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 09/09/92

Reference File #: DGC8016

Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4
System Supplier: Data General Corporation
System Hardware: AViion 400/4000 Model: AV/4100
C Compiler: GNU C Compiler for AViION Systems Version: 1.37.23
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: DGC8703

Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4
System Supplier: Data General Corporation
System Hardware: AViion 400/4000 Model: AV/412
C Compiler: GNU C Compiler for AViION Systems Version: 1.37.23
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: DGC9391

Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 4.32
System Supplier: Data General Corporation
System Hardware: AViion AV/400/4000 Model: AV/410
C Compiler: GNU C Compiler for AViion Sys Version: 1.37.23
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: DGC9574

Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4.2 Release: August 1992
System Supplier: Data General Corporation
System Hardware: AViion AV/8000 Model: AV/6240
C Compiler: GNU C Compiler for AViION Systems Version: DG-2.2.3
Release: August 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 11/03/92

Reference File #: ENC6897

Product Supplier: Encore Computer Corporation
Product Tested: UMAX V Release: 3.0.6
System Supplier: Encore Computer Corporation
System Hardware: 91 Series Model: 91-02427
C Compiler: Green Hills Software, Inc. C Release: 1.1
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0345 UniSoft Corporation Date Issued: 3/12/92

Reference File #: EVR0901

Product Supplier: ESIX/Everex Systems, Inc.
Product Tested: ESIX System V Release 4 Version: 4 Release: 4.0
System Supplier: AGI Computer, Inc.
System Hardware: AGI Model: 486/33
C Compiler: ESIX ANSI C Compiler Version: 5.0
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: EVR9749

Product Supplier: ESIX/Everex Systems, Inc.
Product Tested: ESIX System V Release 4 Version: 4 Release: 4.0
System Supplier: ESIX/Everex Systems, Inc.
System Hardware: Everex Model: 3000S 386/33
C Compiler: ESIX ANSI C Compiler Version: 5.0
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: HAR5240

Product Supplier: Harris Corporation
Product Tested: CX/UX Release: 5.3
System Supplier: Harris Corporation, Computer Systems Division
System Hardware: Night Hawk Model: HN4802
C Compiler: Harris C Compiler Release: 5.3
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0342 Mindcraft, Inc. Date Issued: 12/16/91

Reference File #: HPC0115

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 867S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC0303

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 867s
C Compiler: HP C Compiler Version: A 08.17 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 09/09/92

Reference File #: HPC0535

Product Supplier: Hewlett-Packard Company
Product Tested: Domain/OS Version: 10.4 Release: April 1992
System Supplier: Hewlett-Packard Company
System Hardware: Domain Series 4000 Model: DN4500
C Compiler: Domain/C Version: 6.9.M/MPX Release: May 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 09/2/92

Reference File #: HPC0603

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.01 Release: January 4, 1993
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 700 Model: 735
C Compiler: HP C Compiler Version: HP92453-01 A.09.19 Release: December, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: HPC1581

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 827S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC1992

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 827S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC2540

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.07 Release: December 1991
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 700 Model: 720
C Compiler: HP C Compiler Version: A 08.71 Release: Dec 1991
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 01/29/92

Reference File #: HPC2698

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 817S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC2952

Product Supplier: Hewlett-Packard Company
Product Tested: Domain/OS Version: 10.4 Release: April 1992
System Supplier: Hewlett-Packard Company
System Hardware: Domain Series 400 Model: 433S
C Compiler: Domain/C Version: 6.9.M/MPX Release: May 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 09/2/92

Reference File #: HPC3574

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.0 Release: October 7, 1992
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 400 Model: 433S
C Compiler: HP C Compiler Version: B2371B.08.00 Internal Revision 70.2 Release: October 7, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC3760

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 847S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC3897

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.0 Release: October 7, 1992
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 847S
C Compiler: HP C Compiler Version: A 09.19 Release: Oct 7, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

Reference File #: HPC4246

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 807S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC6304

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.01 Release: January 4, 1993
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 700 Model: 720
C Compiler: HP C Compiler Ver: HP92453-01 A.09.19 Rel: Dec, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC6391

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.00 with PHCO_0800 (Patch) Release: January 1991, January 1992 (Patch)
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 400 Model: 400S
C Compiler: HP C Compiler Version: B 08.00 Release: Dec. 1991
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 04/17/92

Reference File #: HPC6637

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 817S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC6906

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.01 Release: January 4, 1993
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 700 Model: 715
C Compiler: HP C Compiler Ver: HP92453-01 A.09.19 Rel: Dec. 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC7051

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 867S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: HPC7716

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 847S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC8098

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 807S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC9185

Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8 Release: 5/6/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 835
C Compiler: HP C Compiler Version: A 08.17 Release: 5/6/91
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 12/18/91

Reference File #: IBM0320

Product Supplier: International Business Machines Inc.
Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 220
C Compiler: xlc Version: 1 Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/25/92

Reference File #: IBM0458

Product Supplier: International Business Machines Inc.
Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 530H
C Compiler: xlc Version: 1 Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/25/92

Reference File #: IBM1344

Product Supplier: International Business Machines Inc.
Product Tested: AIX Version: 3 Release: 1
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 320
C Compiler: xlc Version: 3 Release: 1
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: IBM2592

Product Supplier: International Business Machines Inc.
Product Tested: AIX Version: 3 Release: 1
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 530
C Compiler: xlc Version: 3 Release: 1
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: IBM3697

Product Supplier: International Business Machines Inc.
Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 320
C Compiler: xlc Version: 1 Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/25/92

Reference File #: INT4675

Product Supplier: Intergraph Corporation
Product Tested: CLIX Version: 06.02.01 Release: 3.1
System Supplier: Intergraph Corporation
System Hardware: Intergraph 6400 Series Workstation Model: 6450
C Compiler: CLIPPER Advanced Optimizing C Compiler Version: 06.00.01.43 Release: 28-JAN-1992
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: INT5154

Product Supplier: Interactive Systems Corp.
Product Tested: Interactive UNIX Operating System Version: 3.0 Release: 3.2
System Supplier: Compaq Computer Corporation
System Hardware: Compaq Model: System Pro
C Compiler: Interactive UNIX Software Development System Ver: 3.0
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0345 UniSoft Corporation Date Issued: 10/16/91

Reference File #: LNK3076

Product Supplier: Lynx Real-Time Systems, Inc.
Product Tested: LynxOS Version: 2 Release: 2.2.0
System Supplier: Compaq Computer Corporation
System Hardware: ProLinea Model: 4/33
C Compiler: gcc Version: 1.42 Release: September 19, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/14/93

Reference File #: MOD4817

Product Supplier: Modular Computer Systems, Inc.
Product Tested: REAL/IX Version: V.3 Release: D.0
System Supplier: Modular Computer Systems, Inc.
System Hardware: REAL/STAR Model: 1000
C Compiler: GNU C Compiler for REAL/IX Systems Version: 1.37
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/05/92

Reference File #: MOT1086

Product Supplier: Motorola Computer Group
Product Tested: UNIX[®] System V/88 Release 4.0 Version: 3 Release: 4.0
System Supplier: Motorola Computer Group
System Hardware: Motorola Series 8000 Model: 8x40
C Compiler: Software Development System Version: T302.0 Release: 12/2/92
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 2/19/93

Reference File #: MOT5618

Product Supplier: Motorola Computer Group
Product Tested: UNIX[®] System V/88 Release 4.0 Version: 3 Release: 4.0
System Supplier: Motorola Computer Group
System Hardware: Motorola Series 8000 Model: 8x20
C Compiler: Software Development System Ver: T302.0 Rel: 12/2/92
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 2/19/93

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: NCR0554

Product Supplier: NCR Corporation
Product Tested: NCR UNIX System V Ver: Release 4 Rel: 4.0.4
System Supplier: NCR Corporation
System Hardware: NCR 3B2 R3 Series Model: 3B2/1000 R3
(Military ID: 3B2/600 GR)
C Compiler: 3B2/RISC C Development System Release: 1.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 12/09/92

Reference File #: NCR1448

Product Supplier: NCR Corporation
Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2
Version: SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3455
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 10/08/93

Reference File #: NCR2047

Product Supplier: NCR Corporation
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:
SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3447
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

Reference File #: NCR2805

Product Supplier: NCR Corporation
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:
SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3450
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

Reference File #: NCR3061

Product Supplier: NCR Corporation
Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2
Version: SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3555
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 10/08/93

Reference File #: NCR3331

Product Supplier: NCR Corporation
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:
SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3345
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

Reference File #: NCR4518

Product Supplier: NCR Corporation
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:
SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3550
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

Reference File #: NCR5533

Product Supplier: NCR Corporation
Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2
Version: SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3520
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 10/08/93

Reference File #: NCR7380

Product Supplier: NCR Corporation
Product Tested: UNIX[®] System V Release 4.0 Version 3.1
Version: 3.1 Release: 4.0
System Supplier: NCR Corporation
System Hardware: StarServer E Model: Release 3
C Compiler: Optimized C Compiler Version: 5.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 03/10/93

Reference File #: NCR7549

Product Supplier: NCR Corporation
Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2
Version: SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3525
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 10/08/93

Reference File #: NXT0623

Product Supplier: NeXT Computer, Inc.
Product Tested: NEXTSTEP Version: 3.2 Release: November 5,
1993 (with POSIX for NEXTSTEP version 1.0)
System Supplier: NeXT Computer, Inc.
System Hardware: NeXTstation Model: Color Turbo
C Compiler: NEXTSTEP DEVELOPER Version: 3.2 Release:
November 5, 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/93

Reference File #: PYR1271

Product Supplier: Pyramid Technology Corporation
Product Tested: OSx Version: 5.1a-92a023 Release: 0422s
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: MIS-2T
C Compiler: att_cc Version: 5.1
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: PYR3067

Product Supplier: Pyramid Technology Corporation
Product Tested: DataCenter/OSx Version: dcosx Release: 1.1-
92c027
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: 2S
C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 09/09/92

Reference File #: PYR3233

Product Supplier: Pyramid Technology Corporation
Product Tested: DataCenter/OSx Version: dcosx Release: 1.1-
92c027
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: 12S
C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 10/05/92

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: PYR4970

Product Supplier: Pyramid Technology Corporation
Product Tested: DataCenter/OSx Version: dcosx Rel: 1.1-92c027
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: 4S
C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 09/09/92

Reference File #: PYR9863

Product Supplier: Pyramid Technology Corporation
Product Tested: OSx Version: 5.1a Release: 0318t
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: MIS-4T
C Compiler: att_cc Version: 5.1
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: SCO3664

Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO Open Desktop Version: 2.0
System Supplier: Diamond Flower Incorporated
System Hardware: DFI Model: 486SX/25
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 11/02/92

Reference File #: SCO3832

Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO UNIX System V/386 Version: Release 3.2
System Supplier: Zenith Data Systems
System Hardware: Z Station Model: 433DEh
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 09/28/92

Reference File #: SCO4102

Product Supplier: Santa Cruz Operation, Inc.
Product Tested: SCO UNIX System V/386 Version: Release 3.2
System Supplier: AST Research, Inc.
System Hardware: Premium Series Model: 486/33
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 07/01/92

Reference File #: SCO5199

Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO UNIX System V/386 Version: 3.2
System Supplier: Zenith Data Systems
System Hardware: Zenith Data Systems Supersport Laptop Model: Supersport SX
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0343 DataFocus Incorporated Date Issued: 09/17/91

Reference File #: SCO6748

Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO UNIX System V/386 Version: 3.2 Release: 2
System Supplier: Data General Corporation
System Hardware: Walkabout/SX Model: G2763
C Compiler: Microsoft C Optimizing Compiler Version: 5.1
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: SCO8054

Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO Open Desktop Version: 2.0
System Supplier: Diamond Flower Incorporated
System Hardware: DFI Model: 486/33
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 11/02/92

Reference File #: SCO9875

Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO UNIX System V/386 Version: 3.2
System Supplier: UNISYS Corporation
System Hardware: PW² Advantage 3000 Series Model: 3256
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0343 DataFocus Incorporated Date Issued: 11/01/91

Reference File #: SEC8754

Product Supplier: Sequent Computer Systems Inc.
Product Tested: DYNIX/ptx Operating System Version: 1.3.0
System Supplier: Sequent Computer Systems Inc.
System Hardware: Symmetry Series II Model: S27
C Compiler: C Tools Version: 1.12p
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0345 UniSoft Corporation Date Issued: 12/09/91

Reference File #: SGI5507

Product Supplier: Silicon Graphics, Inc.
Product Tested: IRIX Version: 4.0.5
System Supplier: Silicon Graphics, Inc.
System Hardware: IRIS Model: Crimson
C Compiler: IRIS Development Option Version: 2.20
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 06/15/92

Reference File #: SGI9297

Product Supplier: Silicon Graphics, Inc.
Product Tested: IRIX Version: 4.0.5
System Supplier: Silicon Graphics, Inc.
System Hardware: IRIS Model: Indigo
C Compiler: IRIS Development Option Version: 2.20
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 06/15/92

Reference File #: SUN0617

Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.0.1 Release: PC
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation IPC Model: GX
C Compiler: Solaris C Compiler Version: 1.0.1 Release: Dec 4, 1991
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 08/27/92

Reference File #: SUN1065

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris 2.1 for x86 Version: 2.1 Release: May 1993
System Supplier: Dell Computer Corporation
System Hardware: 450 Model: DE
C Compiler: ProCompiler C Version: 2.0.1 for x86 Rel: May 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/20/93

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: SUN1442

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.2 Release: May 28, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation LX Model: 4/30
C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

Reference File #: SUN2031

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SunWorkstation 4/30 Model: 4/30
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

Reference File #: SUN2241

Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 2.0 Release: June 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation 2 Model: 4/75
C Compiler: Sun C Compiler Version: 2.0 Release: 20 May 1992
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 07/02/92

Reference File #: SUN2727

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: December 7, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 10 Model: 42
C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

Reference File #: SUN2930

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.2 Release: May 28, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation 2 Model: 4/75
C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

Reference File #: SUN3129

Product Supplier: SunSoft, Inc.
Product Tested: Interactive Unix Operating System V/386 Version: 3.0.1 Release: 3.2
System Supplier: Compaq Computer Corporation
System Hardware: Desk Pro Model: 386/20E
C Compiler: Interactive Unix Software Development System Version: 3.0 Release: December 4, 1991
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0345 UniSoft Corporation Date Issued: 9/18/92

Reference File #: SUN3272

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.2 Release: May 28, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCcenter 10 Model: 54
C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

Reference File #: SUN3402

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: RDI
System Hardware: BriteLite Model: IPX Color Laptop Workstation
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/16/92

Reference File #: SUN3403

Product Supplier: SunSoft, Inc.
Product Tested: Interactive Unix Operating System V/386 Version: 3.0.1 Release: 3.2
System Supplier: Alpha Systems Lab
System Hardware: ASL486/33 Model: ASL433
C Compiler: Interactive Unix Software Development System Version: 3.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0345 UniSoft Corporation Date Issued: 10/05/92

Reference File #: SUN4529

Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.1 Version C Release: August 13, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCclassic Model: 4/15
C Compiler: Solaris C Compiler Version: 1.1 Release: August 13, 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/14/93

Reference File #: SUN5382

Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.0.1 Release: PC
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation IPX Model: GX
C Compiler: Solaris C Compiler Version: 1.0.1 Release: December 4, 1991
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 09/02/92

Reference File #: SUN5684

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: December 7, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCclassic Model: 4/15
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

Reference File #: SUN5782

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 10 Model: 30
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

Reference File #: SUN5970

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 10 Model: 41
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: SUN6602

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.2 Release: May 28, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCcenter 2000 Model: 01
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

Reference File #: SUN6635

Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.0.1 Release: PC
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 690 Model: 140
C Compiler: Solaris C Compiler Version: 1.0.1 Release: December 4, 1991
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/19/92

Reference File #: SUN6859

Product Supplier: SunSoft, Inc.
Product Tested: INTERACTIVE UNIX Operating System V/386
Version: 4.0 Release: 3.2
System Supplier: Compaq Computer Corporation
System Hardware: DeskPro Model: 66M
C Compiler: INTERACTIVE Software Development System Version: 4.0
Release: May 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 07/15/93

Reference File #: SUN7188

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 1.1 Release: August 24, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation 10 Model: GX-30
C Compiler: Solaris C Compiler Version: 1.1 Release: August 24, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 08/27/92

Reference File #: SUN7793

Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 10 Model: 42
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

Reference File #: SUN8720

Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.1 Version C Release: August 13, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation Model: 4/30
C Compiler: Solaris C Compiler Version: 1.1 Release: Aug 13, 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/14/93

Reference File #: SUN9763

Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.0.1 Release: PC
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation 2 Model: GX
C Compiler: Solaris C Compiler Version: 1.0.1 Release: Dec 4, 1991
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/19/92

Reference File #: UNI0505

Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U 6000/15
C Compiler: UNIX System V Release 4 Standard C Development
Environment Version: 1.0.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 04/30/92

Reference File #: UNI1798

Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U 6000/65
C Compiler: UNIX System V Release 4 Standard C Development
Environment Version: 1.0.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/12/92

Reference File #: UNI3690

Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: 1.1 Release: October 30, 1992
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U6000/65
C Compiler: UNIX System V Release 4 Standard C Development
Environment Version: 1.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 09/28/92

Reference File #: UNI5711

Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U 6000/60
C Compiler: UNIX System V Release 4 Standard C Development
Environment Version: 1.0.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/12/92

Reference File #: UNI9063

Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U 6000/35
C Compiler: UNIX System V Release 4 Standard C Development
Environment Version: 1.0.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/12/92

Reference File #: UNI9080

Product Supplier: Unisys Corporation
Product Tested: CTOS II Version: 3 Release: 3
System Supplier: Unisys Corporation
System Hardware: Unisys B-Series Model: NGEN
C Compiler: Microsoft C Version: 6.0
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0343 DataFocus Incorporated Date Issued: 09/17/91

NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: UNV0528

Product Supplier: Univel
Product Tested: UnixWare Version: 1.0 Release: June 1993
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000/DT Series/PW² Advantage Plus
Series Model: U6000/DT1 (MPE 4332)
C Compiler: Optimizing C Compilation Sys Ver: 2.0 Rel: Nov 2, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/18/93

Reference File #: UNV2014

Product Supplier: Univel
Product Tested: UnixWare Version: 1.0 Release: June 1993
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000/DT Series/PW² Advantage Plus
Series Model: U6000/DT2 (MPE 4663)
C Compiler: Optimizing C Compilation System Version: 2.0 Release:
Nov. 2, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/18/93

Reference File #: UNV3055

Product Supplier: Univel
Product Tested: UnixWare Application Server Version: 1.0
Release: October 1992
System Supplier: AST Research, Inc.
System Hardware: Premium 486/33 Model: 3V
C Compiler: UnixWare Software Development Kit Version: 1.0
Release: October 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/93

Reference File #: UNV3978

Product Supplier: Univel
Product Tested: UnixWare Version: 1.0 Release: June 1993
System Supplier: Unisys Corporation
System Hardware: Unisys PW² Advantage Series
Model: MPI 4336)
C Compiler: Optimizing C Compilation System Version: 2.0 Release:
Nov. 2, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/18/93

Reference File #: UNV9180

Product Supplier: Univel
Product Tested: UnixWare Personal Edition Version: 1.0 Release:
October 1992
System Supplier: AST Research, Inc.
System Hardware: Premium 486/33 Model: 3V
C Compiler: UnixWare Software Development Kit Version: 1.0
Release: October 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/93

Reference File #: USL2115

Product Supplier: UNIX System Laboratories, Inc.
Product Tested: UNIX System V Release 4 Version: 4 Release: 4.0
System Supplier: AST Research, Inc.
System Hardware: Premium Series Model: 486/33
C Compiler: Standard C Development Environment Version: 5.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 07/01/92

Reference File #: USL3610

Product Supplier: UNIX System Laboratories, Inc.
Product Tested: UNIX[®] System V Release 4 for the Intel386™
Architecture Version: 4
Release: July 1991
System Supplier: AT&T
System Hardware: AT&T 6386/25 WGS Model: CPU 311 PC3B
C Compiler: Standard C Development Environment Version: Issue 5
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0342 Mindcraft, Inc. Date Issued: 12/12/91

Reference File #: USL6259

Product Supplier: UNIX System Laboratories, Inc.
Product Tested: UNIX[®] System V/386 Release 4 Version: 4.0T
Release: August 1992, with PATCH #1 (Package Date: 11/20/92)
System Supplier: AST Research, Inc.
System Hardware: Premium 486/33 Model: 3V
C Compiler: UNIX System Laboratories Standard C Development
Environment Version: Issue 5
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/12/93

6.7 TESTING LABORATORIES AND VALIDATED PRODUCTS for NIST POSIX (FIPS 151-2)

ACCREDITED NIST POSIX TESTING LABORATORIES

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-2 (FIPS 151-2) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-2). FIPS 151-2 replaced FIPS 151-1 in its entirety on October 15, 1993. Only accredited laboratories may submit test reports to NIST/CSL for validation.

DataFocus Incorporated
12450 Fair Lakes Circle, Suite 400
Fairfax, VA 22033-3831

Contact: Mr. Glen McPherson
Phone: 703-631-6770

Mindcraft, Inc.
410 Cambridge Avenue
Palo Alto, CA 94306

Contact: Mr. Bruce Weiner
Phone: 415-323-9000

PERENNIAL
4699 Old Ironsides Drive, Suite 210
Santa Clara, CA 95054

Contact: Mr. Barry E. Hedquist
Phone: 408-748-2900

NIST POSIX VALIDATED PRODUCTS

The following products have been tested by an Accredited POSIX Testing Laboratory (APTL) using the official National Institute of Standards and Technology POSIX Conformance Test Suite (NIST-PCTS:151-2) for the Federal Information Processing Standards 151-2 (FIPS PUB 151-2). A Certificate of Validation has been issued by NIST/CSL. Additional information is available from NIST/CSL on conditional features supported, configuration details, and resolved test codes (if appropriate).

Information in this listing includes product information on the implementation, system tested and type of implementation. FIPS 151-2 supports three types of implementations, native, hosted, and cooperating. A native implementation "refers to an implementation of POSIX.1 that interfaces directly to an operating system kernel." A cooperating implementation "refers to an implementation of POSIX.1 that interfaces directly to an operating system kernel but the load modules are not produceable on this implementation." A hosted implementation "refers to an implementation of POSIX.1 that is accomplished through interfaces from the POSIX.1 services to some alternate form of operating system kernel services."

Information is also provided on the following primary conditional features: General Terminal Interface devices (GTI), Mountable File System (MFS), Modem Control (MC), and Appropriate Privileges (AP).

PRODUCT SUPPLIERS

REFERENCE FILE

Amdahl Corporation	151-2AMD001
Data General Corporation	151-2DGC001
Digital Equipment Corporation	151-2DEC001, 151-2DEC002
Hewlett-Packard Company	151-2HPC001, 151-2HPC002, 151-2HPC003, 151-2HPC004
International Business Machines Corp.	151-2IBM001, 151-2IBM002, 151-2IBM003, 151-2IBM004, 151-2IBM005, 151-2IBM006
Microsoft Corporation	151-2MSC001, 151-2MSC002, 151-2MSC003, 151-2MSC004, 151-2MSC005, 151-2MSC006
Novell, Inc.	151-2NOV001, 151-2NOV002
Sequent Computer Systems, Inc.	151-2SEQ001, 151-2SEQ002
SunSoft, Inc.	151-2SUN001, 151-2SUN002, 151-2SUN003, 151-2SUN004, 151-2SUN005, 151-2SUN006, 151-2SUN007
Unisys Corporation	151-2UNI001, 151-2UNI002

SYSTEM SUPPLIERS

REFERENCE FILE

Amdahl Corporation	151-2AMD001
AST Research, Inc.	151-2NOV001, 151-2NOV002
Compaq	151-2MSC002, 151-2MSC004
Data General Corporation	151-2DGC001
Digital Equipment Corporation	151-2DEC001, 151-2DEC002, 151-2MSC005, 151-2MSC006
Hewlett-Packard Company	151-2HPC001, 151-2HPC002, 151-2HPC003, 151-2HPC004
International Business Machines Corp.	151-2IBM001, 151-2IBM002, 151-2IBM003, 151-2IBM004, 151-2IBM005, 151-2IBM006
Olivetti	151-2MSC001, 151-2MSC003
Sequent Computer Systems, Inc.	151-2SEQ001, 151-2SEQ002
Sun Microsystems Computer Corp., Inc.	151-2SUN001, 151-2SUN002, 151-2SUN003, 151-2SUN004, 151-2SUN005, 151-2SUN006, 151-2SUN007
Unisys Corporation	151-2UNI001, 151-2UNI002

NIST POSIX VALIDATED PRODUCTS, *Continued*

151-2AMD001 Issued: 03/18/94 Type: Native

Product Supplier: **Amdahl Corporation**

Product: **UTS Version 4 Release 2**

PCD: UTS 4.2 POSIX.1 and FIPS 151-2 Conformance Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Amdahl Corporation

Computer Hardware Product: Amdahl 5995M-4550

C Compiler: Amdahl C, Version 2.0

APTL: 0342 Mindcraft, Inc.

151-2DEC001 Issued: 08/12/93 Type: Hosted

Product Supplier: **Digital Equipment Corporation**

Product: **POSIX for Open VMS AXP Version X1.0-041**

PCD: POSIX 1003.1-1990 Conformance Document for Open VMS AXP (July 1993)

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Digital Equipment Corporation

Computer Hardware Product: DECsystem, Model 4000/610

Host Operating System Supplier: Digital Equipment Corporation

Host Operating System: OpenVMS AXP Version 1.5

C Compiler: DEC C Version 1, Release 3

APTL: 0343 DataFocus Incorporated

151-2DEC002 Issued: 02/28/94 Type: Native

Product Supplier: **Digital Equipment Corporation**

Product: **DEC OSF/1 Version 2.0, released March, 1994**

PCD: DEC OSF/1 POSIX.1 Conformance Document (Order Number:AA-PS35B-TE)

GTI - Supported by Product MC - NOT Provided by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Digital Equipment Corporation

Computer Hardware Product: DEC 3000, Model 400

C Compiler: DEC OSF/1 C Compiler, Version 2.0

APTL: 0342 Mindcraft, Inc.

151-2DGC001 Issued: 04/12/94 Type: Native

Product Supplier: **Data General Corporation**

Product: **DG/US 5.4 Release 3.00 MU01**

PCD: POSIX.1 Conformance Document for the DG/UX™ System Revision 04, March 1994

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Data General Corporation Corporation

Computer Hardware Product: Data General AViiON AV8500 Model G70595

C Compiler: gcc 2.4.5.6

APTL: 0342 Mindcraft, Inc.

151-2HPC001 Issued: 05/12/94 Type: Native

Product Supplier: **Hewlett-Packard Company**

Product: **HP-UX Release 9.09 with patches PHCO_3869, PHCO_4152, and PHKL_4149**

PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90034

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Hewlett-Packard Company

Computer Hardware Product: Series 9000 Model 755

C Compiler: HP C Compiler Version A.09.33

APTL: 0342 Mindcraft, Inc.

151-2HPC002 Issued: 05/12/94 Type: Native

Product Supplier: **Hewlett-Packard Company**

Product: **HP-UX Release 9.09 with patches PHCO_3869, PHCO_4152, and PHKL_4149**

PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90034

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Hewlett-Packard Company

Computer Hardware Product: Series 9000 Model 725

C Compiler: HP C Compiler Version A.09.33

APTL: 0342 Mindcraft, Inc.

151-2HPC003 Issued: 06/01/94 Type: Native

Product Supplier: **Hewlett-Packard Company**

Product: **HP-UX Release 9.05 with patches PHKL_4110, and PHNE_4111**

PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90049

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Hewlett-Packard Company

Computer Hardware Product: Series 9000 Model 735

C Compiler: HP C Compiler Version A.09.33

APTL: 0342 Mindcraft, Inc.

151-2HPC004 Issued: 06/01/94 Type: Native

Product Supplier: **Hewlett-Packard Company**

Product: **HP-UX Release 9.05 with patches PHKL_4110, and PHNE_4111**

PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90049

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Hewlett-Packard Company

Computer Hardware Product: Series 9000 Model 725

C Compiler: HP C Compiler Version A.09.33

APTL: 0342 Mindcraft, Inc.

151-2IBM001 Issued: 03/08/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **MVS/ESA 4.3 OpenEdition™ 1.0**

PCD: OpenEdition MVS POSIX.1 Conformance Document, Document Number SC23-3011-00

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corporation

Computer Hardware Product: ES/9000-570

C Compiler: IBM SAA AD/Cycle® C/370 Version 1 Release 2

APTL: 0342 Mindcraft, Inc.

151-2IBM002 Issued: 02/17/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs: U423984, U424399, U424507, U424590, U425456, U424587, U425984, U425988, U425997, U426001, U426014, U425858**

PCD: AIX Version 3.2 POSIX Conformance Document

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corp.

Computer Hardware Product: RISC System/6000, Model 590

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.

NIST POSIX VALIDATED PRODUCTS, *Continued*

151-2IBM003 Issued: 02/17/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**
U423984, U424399, U424507, U424590, U425456,
U424587, U425984, U425988, U425997, U426001,
U426014, U425858

PCD: AIX Version 3.2 POSIX Conformance Document

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corp.

Computer Hardware Product: RISC System/6000, Model 250

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.

151-2IBM004 Issued: 02/17/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**
U423984, U424399, U424507, U424590, U425456,
U424587, U425984, U425988, U425997, U426001,
U426014, U425858

PCD: AIX Version 3.2 POSIX Conformance Document

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corporation

Computer Hardware Product: RISC System/6000, Model 360

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.

151-2IBM005 Issued: 04/29/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**
U423984, U424399, U425456, U425984, U425988,
U425997, U426001, U426014, U427208, U427272,
U427892

PCD: AIX Version 3.2 POSIX Conformance Document, part number GC23-2159-02, Third Edition

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corp.

Computer Hardware Product: RISC System/6000, Model 230

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.

151-2IBM006 Issued: 04/29/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**
U423984, U424399, U425456, U425984, U425988,
U425997, U426001, U426014, U427208, U427272,
U427892

PCD: AIX Version 3.2 POSIX Conformance Document, part number GC23-2159-02, Third Edition

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corp.

Computer Hardware Product: RISC System/6000, Model 570

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.

151-2MSC001 Issued: 04/12/94 Type: Cooperating Hosted

Product Supplier: **Microsoft Corporation**

Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**

PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - NOT Provided by Product AP - NOT Provided by Product

Computer Hardware Supplier: Olivetti

Computer Hardware Product: M700-10

Host & Development Operating System Supplier: Microsoft Corporation

Host & Development Operating System: Windows NT Version 3.1

C Compiler: Microsoft® C Centaur Optimizing Compiler Ver 8.00.081

APTL: 0342 Mindcraft, Inc.

151-2MSC002 Issued: 04/12/94 Type: Cooperating Hosted

Product Supplier: **Microsoft Corporation**

Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**

PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - NOT Provided by Product AP - NOT Provided by Product

Computer Hardware Supplier: Compaq

Computer Hardware Product: Deskpro 4/66i

Host & Development Operating System Supplier: Microsoft Corporation

Host & Development Operating System: Windows NT Version 3.1

C Compiler: Visual C++ for Windows and Windows NT, 32-bit Edition, Version 1.00.

APTL: 0342 Mindcraft, Inc.

151-2MSC003 Issued: 04/12/94 Type: Cooperating Hosted

Product Supplier: **Microsoft Corporation**

Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**

PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - NOT Provided by Product AP - NOT Provided by Product

Computer Hardware Supplier: Olivetti

Computer Hardware Product: M700-10

Host & Development Operating System Supplier: Microsoft Corporation

Host & Development Operating System: Windows NT Advanced Server Version 3.1

C Compiler: Microsoft® C Centaur Optimizing Compiler Version 8.00.081

APTL: 0342 Mindcraft, Inc.

151-2MSC004 Issued: 04/12/94 Type: Cooperating Hosted

Product Supplier: **Microsoft Corporation**

Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**

PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - NOT Provided by Product AP - NOT Provided by Product

Computer Hardware Supplier: Compaq

Computer Hardware Product: Deskpro 4/66i

Host & Development Operating System Supplier: Microsoft Corp.

Host & Development Operating System: Microsoft Windows NT Advanced Server Version 3.1

C Compiler: Visual C++ for Windows and Windows NT, 32-bit Edition, Version 1.00.

APTL: 0342 Mindcraft, Inc.

NIST POSIX VALIDATED PRODUCTS, *Continued*

151-2MSC005 Issued: 05/12/94 Type: Cooperating Hosted
 Product Supplier: **Microsoft Corporation**
 Product: **Microsoft® Windows NT™ POSIX Subsystem Version 3.1**
 PCD: Microsoft® Windows NT™ POSIX Subsystem POSIX Conformance Document
 GTI - NOT Provided by Product MC - NOT Provided by Product
 MFS - NOT Provided by Product AP - NOT Provided by Product
 Computer Hardware Supplier: Digital Equipment Corporation
 Computer Hardware Product: DECpc AXP/150
 Host & Development Operating System Supplier: Microsoft Corp.
 Host & Development Operating System: Microsoft® Windows NT™ Version 3.1
 C Compiler: Microsoft® C/C++ Optimizing Compiler Version 8.00.9B
 APTL: 0342 Mindcraft, Inc.

151-2MSC006 Issued: 05/12/94 Type: Cooperating Hosted
 Product Supplier: **Microsoft Corporation**
 Product: **Microsoft® Windows NT™ POSIX Subsystem Version 3.1**
 PCD: Microsoft® Windows NT™ POSIX Subsystem POSIX Conformance Document
 GTI - NOT Provided by Product MC - NOT Provided by Product
 MFS - NOT Provided by Product AP - NOT Provided by Product
 Computer Hardware Supplier: Digital Equipment Corporation
 Computer Hardware Product: DECpc AXP/150
 Host & Development Operating System Supplier: Microsoft Corp.
 Host & Development Operating System: Microsoft® Windows NT™ Advanced Server Version 3.1
 C Compiler: Microsoft® C/C++ Optimizing Compiler Version 8.00.9B
 APTL: 0342 Mindcraft, Inc.

151-2NOV001 Issued: 05/03/94 Type: Native
 Product Supplier: **Novell, Inc.**
 Product: **UnixWare™ Application Server Version 1.1 with UnixWare Update 1.1.1 and PTF604**
 PCD: UnixWare™ Programmer's Guide: POSIX.1 Conformance (First Edition)
 GTI - Supported by Product MC - Supported by Product
 MFS - Supported by Product AP - Supported by Product
 Computer Hardware Supplier: AST Research, Inc.
 Computer Hardware Product: Premium 486/33 model 3V
 C Compiler: UnixWare™ SDK/Personal Utilities Version 1.1
 APTL: 0342 Mindcraft, Inc.

151-2NOV002 Issued: 05/03/94 Type: Native
 Product Supplier: **Novell, Inc.**
 Product: **UnixWare™ Personal Edition Version 1.1 with UnixWare Update 1.1.1 and PTF604**
 PCD: UnixWare™ Programmer's Guide: POSIX.1 Conformance (First Edition)
 GTI - Supported by Product MC - Supported by Product
 MFS - Supported by Product AP - Supported by Product
 Computer Hardware Supplier: AST Research, Inc.
 Computer Hardware Product: Premium 486/33 model 3V
 C Compiler: UnixWare™ SDK/Personal Utilities Version 1.1
 APTL: 0342 Mindcraft, Inc.

151-2SEQ001 Issued: 04/12/94 Type: Native
 Product Supplier: **Sequent Computer Systems Inc.**
 Product: **DYNIX/ptx Version 4.0.0**
 PCD: DYNIX/ptx POSIX.1 Conformance Specification Part Number 1003-49622-04
 GTI - Supported by Product MC - Supported by Product
 MFS - Supported by Product AP - Supported by Product
 Computer Hardware Supplier: Sequent Computer Systems Inc.
 Computer Hardware Product: Sequent Symmetry Systems SE20
 C Compiler: ptx/C (Version 4.0.0)
 APTL: 0342 Mindcraft, Inc.

151-2SEQ002 Issued: 04/12/94 Type: Native
 Product Supplier: **Sequent Computer Systems Inc.**
 Product: **DYNIX/ptx Version 2.1.1**
 PCD: DYNIX/ptx POSIX.1 Conformance Specification Part Number 1003-49622-03a
 GTI - Supported by Product MC - Supported by Product
 MFS - Supported by Product AP - Supported by Product
 Computer Hardware Supplier: Sequent Computer Systems Inc.
 Computer Hardware Product: Sequent Symmetry Systems SE60
 C Compiler: ptx/C (Version 2.1.1)
 APTL: 0342 Mindcraft, Inc.

151-2SUN001 Issued: 12/23/93 Type: Native
 Product Supplier: **SunSoft, Inc.**
 Product: **Solaris 2.3 with patch 101294-01**
 PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.1 Part No: 801-5263-10
 GTI - Supported by Product MC - Supported by Product
 MFS - Supported by Product AP - Supported by Product
 Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.
 Computer Hardware Product: SPARCcenter 2000, model 2204
 C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
 APTL: 0342 Mindcraft, Inc.

151-2SUN002 Issued: 12/23/93 Type: Native
 Product Supplier: **SunSoft, Inc.**
 Product: **Solaris 2.3 with patch 101294-01**
 PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.1 Part No: 801-5263-10
 GTI - Supported by Product MC - Supported by Product
 MFS - Supported by Product AP - Supported by Product
 Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.
 Computer Hardware Product: SPARCstation 10SX, model 40
 C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
 APTL: 0342 Mindcraft, Inc.

151-2SUN003 Issued: 12/23/93 Type: Native
 Product Supplier: **SunSoft, Inc.**
 Product: **Solaris 2.3 with patch 101294-01**
 PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.1 Part No: 801-5263-10
 GTI - Supported by Product MC - Supported by Product
 MFS - Supported by Product AP - Supported by Product
 Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.
 Computer Hardware Product: SPARCstation 10, model 52
 C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992
 APTL: 0342 Mindcraft, Inc.

NIST POSIX VALIDATED PRODUCTS, *Continued*

151-2SUN004 Issued: 12/23/93 Type: Native

Product Supplier: **SunSoft, Inc.**

Product: **Solaris 2.3 with patch 101294-01**

PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5:
POSIX.1 Part No: 801-5263-10

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.

Computer Hardware Product: SPARCserver 670MP, model 54

C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992

APTL: 0342 Mindcraft, Inc.

151-2SUN005 Issued: 3/30/94 Type: Native

Product Supplier: **SunSoft, Inc.**

Product: **Solaris 2.3 Edition II with patch 101294-01 and 101498-02**

PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5:
POSIX.1 Part No: 801-5263-11

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.

Computer Hardware Product: SPARCstation 5

C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992

APTL: 0342 Mindcraft, Inc.

151-2SUN006 Issued: 3/30/94 Type: Native

Product Supplier: **SunSoft, Inc.**

Product: **Solaris 2.3 Edition II**

PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5:
POSIX.1 Part No: 801-5263-11

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.

Computer Hardware Product: SPARCstation Voyager

C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992

APTL: 0342 Mindcraft, Inc.

151-2SUN007 Issued: 3/30/94 Type: Native

Product Supplier: **SunSoft, Inc.**

Product: **Solaris 2.3 Release with patches 101294-01, 101318-27,
and 101493-01**

PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.1
Part No: 801-5263-11

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.

Computer Hardware Product: SPARCstation 20, Model 502

C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992

APTL: 0342 Mindcraft, Inc.

151-2UNI001 Issued: 12/02/93 Type: Native

Product Supplier: **Unisys Corporation**

Product: **Unix System V Release 4 Revision 1.2**

PCD: UNIX System V Release 4.0 POSIX Conformance Programmer's
Guide

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Unisys Corporation

Computer Hardware Product: Unisys U6000 Series U6000/65

C Compiler: Unix System V Release 4 Standard C Development
Environment Rev. 1.2

APTL: 0342 Mindcraft, Inc.

151-2UNI002 Issued: 12/02/93 Type: Native

Product Supplier: **Unisys Corporation**

Product: **Unix System V Release 4 Revision 1.2**

PCD: UNIX System V Release 4.0 POSIX Conformance Programmer's
Guide

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Unisys Corporation

Computer Hardware Product: Unisys U6000 Series U6000/300

C Compiler: Unix System V Release 4 Standard C Development
Environment Rev. 1.2

APTL: 0342 Mindcraft, Inc.

For further information on the NIST/CSL POSIX validation program contact Martha M. Gray, Computer Systems Laboratory, B266 Technology Bldg., NIST, Gaithersburg, MD 20899. Telephone: 301-975-3276, fax: 301-590-0932, e-mail: gray@sst.ncsl.nist.gov.

This register is also available on an electronic mail (email) file server system. To use the service, you must be able to send and receive email via the Internet. For most email systems, send an email message (*mail posix@nist.gov*) with the first line of the message containing a command to *send 151-2reg* and a carriage return. The next line should simply end your email message (on some systems a period and a carriage return). This register will be returned via email to your email address. There is also a register for FIPS 151-1 accredited laboratories and validated products. For this register use the command *send 151-1reg*.

7. COMPUTER SECURITY TESTING

7.1 Cryptographic Standards

The lists in Sections 8.6, 8.7 and 8.8 provide technical information about products that have been validated as conforming to the following computer security FIPS:

- a. Data Encryption Standard (DES), FIPS PUB 46-1,
- b. Message Authentication Code (MAC), FIPS PUB 113, and
- c. Key Management Using ANSI X9.17, FIPS PUB 171.

7.2 Data Encryption Validation Tests

FIPS PUB 46-1 specifies a cryptographic algorithm that converts plaintext to ciphertext using a 56-bit key. Testing procedures for the validation of devices as conforming to FIPS PUB 46-1 are described in the NBS Special Publication 500-20, Validating the Correctness of Hardware Implementations of the NBS Data Encryption Standard. The validation of a device is performed by running the Monte Carlo test described in the publication. The Monte-Carlo test consists of eight million encryptions and four million decryptions, with two encryptions and one decryption making up a single test. The test is designed to use the Electronic Codebook Mode (ECB) of DES. Although the actual test described in NBS Special Publication 500-20 is the same test used to validate devices today, the procedures for administering the test have changed. Currently, the test is performed by the vendor using initial values supplied by NIST. The vendor uses the supplied information to run the Monte-Carlo test and sends the results to NIST.

7.3 Message Authentication Code (MAC) Validation System

FIPS PUB 113, Computer Data Authentication, specifies a Data Encryption Algorithm which may be used to detect unauthorized intentional and accidental modifications to data. This process is known as data authentication. The algorithm is based on DES and is used to authenticate an entire binary message. FIPS PUB 113 is compatible with ANSI X9.9 which provides methods for authenticating an entire binary message as well as all or parts of a message which are in a coded character format. Procedures for the validation of products which implement FIPS PUB 113 and ANSI X9.9 are described in NBS Special Publication 500-156, Message Authentication Code (MAC) Validation System: Requirements and Procedures.

7.4 Key Management Validation System (KMVS)

FIPS PUB 171 adopts ANSI X9.17 for Federal Government use. ANSI X9.17, Financial Institution Key Management (Wholesale), provides procedures and protocols for the secure generation, distribution, storage, entry, use and destruction of symmetric cryptographic keying material (e.g., DES). It provides key management solutions for a variety of operational environments, and as such, ANSI X9.17 contains a number of options. FIPS PUB 171 specifies a particular set of options whenever keying material is distributed using the protocols of ANSI X9.17. Procedures for the validation of products which conform to a subset of the options selected in FIPS PUB 171 are described in the Key Management Validation System: Point-to-Point Validation System document which is available from the Manager of the Security Group (see Section 8.5).

7.5 General

7.5.1 Request for Validation

To validate a product, a vendor should send a formal request for validation which includes a clear indication of the product to be tested. The request must also include the name, address, and telephone number of the person within the vendor's organization who will be responsible for the validation testing. The request should be sent to:

Manager, Security Technology Group
Computer Security Division
Computer Systems Laboratory
Building 225, Room A216
National Institute of Standards and Technology
Gaithersburg, MD 20899
Telephone (301) 975-2920

7.5.2 Information about Validated Products

It should be noted that the purpose of the following lists (see Sections 7.6, 7.7 and 7.8) is to provide technical information about products that have been validated as conforming to the FIPS Standards listed in Section 7.1. NIST has made every attempt to provide complete and accurate information about the products described in the following lists. However, due to the possibility of changes made within individual companies, NIST cannot guarantee that this document reflects the current status of each product.

7.5.3 Validation Documentation

Copies of the above FIPS and Special Publications are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. The KMVS validation requirements document discussed in Section 7.4 can be obtained by contacting the Manager of the Security Technology Group at the above address.

7.6 DES Validated Devices

NOTE: The purpose of this document is to provide technical information about devices that have been validated as conforming to Federal Information Processing Standard Publication 46-1, Data Encryption Standard. The National Institute of Standards and Technology (NIST) has made every attempt to provide complete and accurate information about the devices described in this document. However, due to the possibility of changes made within individual companies, NIST cannot guarantee that this document reflects the current status of each product.

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
ADT Security Systems 2560 Huntington Avenue Fourth Floor Alexandria, VA 22303 Hal Marriott (703) 960-8548	ADT Universal Communicator	7187-099 Universal Subsystem and 2995 Universal Subsystem	10/17/90	Chip is an on board component for Communicator products in the High Security Intrusion Detection System. System has integrated key management capabilities.
Advanced Micro Devices, Inc. 4115 Freiderich Lane Mail Stop 135 Austin, TX 78744 Patrick Soheili (408) 749-2161	AmZ8068	8068DC; 8068DCB; 8068JC; 8068PC;	1/28/81	One 40-pin DIP package; n-channel Si-gate technology; ECB, CBC and 8-bit CFB modes; separate ports for key input, clear data and enciphered data; concurrent input, output and ciphering activities; external DMA control; interfaces with AmZ8000 CPU bus directly, and with the 2900, 8080, 8085 and 8048 families with minimum throughput greater than 1 Mbytes per second; greater than 1 Mbytes per second.
	AM 9568	9568DC; 9568DCB; 9568J; 9568DMB; 9568JC; 9568PC;	2/28/84	N-channel silicon gate LSI product containing the circuitry necessary to encrypt and decrypt data; can be used in terminals dedicated controllers, communication concentrators, and peripheral task processors in general processor systems; can be used in CF, ECB, or CBC operating modes; separate ports for key input, clear data, and enciphered data enhanced security; interface directly to the IAPX86, 88 bus; interfaces with 2900 and 8051 families with minimal external logic.
American Telephone and Telegraph Company (AT&T) 6612 E. 75th Street P.O. Box 1008 Indianapolis, IN 46206 Ken Zempol (908) 658-6870	AT&T Smart Card Version 2.11/DES	Computer Security System	5/3/91	Card is part of a smart card based Computer Security System (CSS). The card is carried by an authorized user and permits the user to gain access to host computer systems that are protected by the CSS.
	AT&T Smart Card Version 3.0/DES (5E1)	Computer Security System	7/19/91	This version of the AT&T Smart Card is designed to closely follow developments in the international standards arena in areas of card communication protocols, commands and file structures. It is a general purpose smart card that supports multiple applications and uses the DES as a basic part of its operating system.
Arkansas Systems Inc. 8901 Kanis Road Little Rock, AR 72205-6498 David H. Bishop (501) 227-8471	DES-MATE	Device Only	7/6/89	Provides data encryption for messages sent and received on-line between and ATM/EFT Network switch processor and an IBM host participant in that network. DES key management is automatic and under system control.
AT&T Whippany Road Whippany, N.J. 07981 William Oeschger (201) 898-1198	AT&T T7000A Digital Encryption Processor	Chip Only	4/22/86	Manufactured using CMOS technology; 40-pin DIP; encryption modes include ECB, CBC, CFB, and OFB; throughput 1.882 Mbytes/second on-chip RAM and ROM program memory.
AT&T Bell Laboratories 25 Lindsley Drive Room 2B-309 Morristown, N.J. 07960 William Oeschger (201) 898-1198	DEP229ER (WE229ER)	Not Commercially Available	9/6/83	3.5 micron NMOS technology; 40-pin DIP; encryption modes - ECB, CBC, OFB, CFB1, CFB8, CFB64; Throughput rate of 117K ciphering operation/second.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
American Telephone and Telegraph Company AT&T Guilford Center I-85 and Mt Hope Church Road McLeansville, NC 27420 Mr. B. F. Bailey (919) 279-3779	AT&T Mark E DES Key Generator, PN ON493049-1X	Not Available	6/3/92	Not available
American Telephone and Telegraph Company AT&T Guilford Center I-85 and Mt Hope Church Road McLeansville, NC 27420 Mr. M. Zugay (919) 279-3779	AT&T Mark ET DES Key Generator, Part No. AN10014-1	Not Available	6/3/92	Not available
Arkansas Systems, Inc. 8901 Kanis Road Little Rock, AR 72205-6498 David H. Bishop (501) 227-6471	DES-MATE	Not Available	7/6/89	Provides data encryption for messages sent and received on-line between an ATM/EFT Network switch processor and an IBM host participant in that network. DES key management is automatic and under system control.
Chase Manhattan Bank, N.A. 199 Water Street 12th Floor New York, NY 10081 Robert Stevenson (212) 797-4153	Chase Encryption Device 1	Not Available	7/24/84	Not Available
Collins Telecommunications Collins Defense Communications 350 Collins Road, NE Mail Stop 120-105 Cedar Rapids, Iowa 52498 Jim Perkins (319) 395-5773	765-5914-001 Voice Privacy Device VP430	CR-200 Device Only	10/15/77 10/6/81	pMOS chip with 40 usec algorithm execution time; chip has approximately a 50 nsec state change; can perform I/O functions while the chip is in operation; part of network stand-alone encryptor. Imbedded encryption device for commercial hand held communications devices.
Computer Elektronik Infosys of America, Inc. 512-A Herndon Parkway Herndon, VA 22070 A. Mark Brown (703) 435-3800	SuperCrypt CryptCard	Chip and Design Kit CryptCard	7/24/91 1/12/93	Chip designed for high speed (12 Megabytes/sec data rates) encryption and decryption. ECB, CBC, CFB and OFB modes of DES supported as well as MAC generation. Available as a 120 Pin Flat Pack. CryptCard is an access control and DES encryption adapter for notebook PCs that have a PCMCIA slot.
Cylink Corporation 110 South Wolfe Road Sunnyvale, CA 94086 Les Nightingill (408) 735-5800	CY1045 Cylink Faxdes 12035-001, DES52M 12422-001, DES2M1CFB	Chip Only Device Only Device Only	1/28/87 7/1/87 6/3/92 8/27/92	Not Available Not Available Not Available Not Available
Datakey Inc. 407 West Travelers Trail Burnsville, MN 55337-9990 Michael Carenzo (612) 890-6850	H8-310 ASACS Smart Card	H8-310 ASACS Smart Card	7/2/92	The ASACS hardware consists of a credit-card sized smart card with an embedded Hitachi H8/310 microprocessor and a reader/writer interface which provides an RS-232 serial connection to a host computer. The smart card functions are implemented in firmware which is stored in the memory of the card's microprocessor.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Docutel/Olivetti Corporation 106 Decker Court Suite 300 Irving, TX 75062 Division International Marketing (214) 550-5400	Docutel Nordisk Spardata Cash Dispensing Terminal	Total Teller 2380;ETS 5100;	6/20/82	Firmware implementation of DES in ROM for PIN/communications security.
The Exchange 15395 SE 30th Place Bellevue, WA 98007 Patricia Lenti-Crane (206)644-7000	EXCRYPT DEB-64-KM (originally EXCLUDE DEB- 64-KM)	Device Only	1/26/89	Encrypts and decrypts data; generates random keys; supports up to six security processor boards that can be run in parallel to enhance throughput; has storage capacity for up to 4000 DES keys; developed for secure financial transactions.
Fairchild Semiconductor 2000 Century Plaza Columbia, MD 21044 Sales Department (301) 730-1510	9414 Chip Set	Not Available	12/20/73	Bit-slice chip set mounted on a 9414 board with edge or ELCO connector; 4 chip set with 40 pins each; 2 bits, of each byte are distributed to each chip; single 5 V power supply; separate data inputs and outputs; ECB, CFB, and CBC modes of operation.
Front Line Software P.O. Box 217 Lowell, MA 01853 William Graham (617) 452-3352	726-8064 PROM Device	Chip Only	12/1/86	4 K EPROM to be used with Intel IPAX family of microprocessors including all models of the IBM PC family; all modes of DES supported.
GEC-Marconi Limited Ltd. Brown Lane, The Airport Portsmouth, Hampshire PO3 5PH England Roger Madden Cycomm Corporation (703) 352-4741	DM800	Encryption only	3/1/93	The DM800 is a module that can be added to an ordinary analogue radio in order to provide communication security by digital encryption.
GEMPLUS CARD INTERNATIONAL 6290 Montrose Road Rockville, MD 20852 Gilles Lisimaque (301) 770-1558	MCOS16K EEPROM/DES	Card Only	3/18/91	A multi-application smart card which complies with the ISO standard 7816 (parts 1, 2, and 3) for Integrated Circuit cards with contacts.
General Electric Company Mountain View Road Lynchburg, VA 24502 Jim Elder (804) 948-6187	Part Number 19B801375	Not Available	6/28/85	The GE DES IC is a microprocessor controlled, low speed asynchronous CMOS IC using DES. Intended to provide secure voice in commercial grade mobile radio applications.
Glenco Engineering, Inc. 270 Lexington Drive Buffalo Grove, IL 60089-6930 D. Wade Clark (708) 808-0300	Glen-DES PN GL306051	Glen-DES PN GL306051	5/8/92	The Glen-DES is a compact 20 pin design, using low power CMOS technology, operating at 3us using a 16 MHz clock. The DES chip features nonvolatile internal memory, an external key and a combined key. It is available with a simple CPU interface and it supports a DOS printer port implementation.
IBM Corporation Federal Systems Division P.O. Box 100 Kingston, NY 12401 Robert Elander (914) 385-6692	4402182 WK4/988	Chip Only	11/1/77	This card used in terminal equipment; the chip uses technology with PLA control to implement CBC;
	P/N 8270094 using DES Chip P/N 5898057 (originally 8269206)	Not Available	8/25/78	This card is used in 3845 and 3846 equipment for 8-bit CFB.
	Two TTL cards - 8632242 and 8679176	3846-Link Encryption;3848- Cryptographic Unit;	9/21/79	Will operate at least at the 1.5 Mbytes 360 channel rate; card set is used in the 3848 cryptographic unit; uses "Emerald-5" technology.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
IBM Corporation 1001 W.T. Harris Blvd. West Charlotte, NC 28257 William Rohland (704) 594-8250	4745 Security Interface Unit and the Personal Security Card	IBM 4753 Network Security Processor	10/10/90	Devices are used in a transaction security system to protect the privacy and integrity of data using a common cryptographic interface. The security interface unit communicates with the Personal Security Card and the cryptographic adaptor, if present. The Personal Security Card is an integrated-circuit chip card that contains a single chip security processor.
IBM Corporation P. O. Box 950 Poughkeepsie, NY 12602 Robert Granell (914) 435-5751	IBM EX/900 Integrated Cryptographic Feature		2/26/93	The Integrated Cryptographic Feature is available for inclusion on the IBM ES/9000 processors in support of IBM's cryptographic architecture.
Intel 1900 Prairie City Road Folsom, CA 95630 Joe Dragony (916) 351-5250	8294	Not Available	1/3/78	Algorithm is microcode which is burned into a 1 Kbyte ROM on a 5 volt, 40-pin chip driven by a 8042 microprocessor.
	8294A	8294 chip; 8294A chip;	6/20/82	Same as the 8294 except for a maximum data transfer rate of 400 bytes per second.
John E. Holt & Associates 2714 Key Boulevard Arlington, VA 22201 John Holt (703) 524-2923	Krypton Firmware	Expansion board available in two models;	2/12/86	ROM chips for the standard IBM PC family include eight 3722 chips, four 2764 chips and one 27256 chip; 1024-bit CBC chaining; encryption speed dependent on clock of PC; ROM can plug directly into ROM slot.
Jones Futurex 3715 Atherton Road Rocklin, CA 95765 Steve De Rosa (916) 632-3456	SAFE 300		8/12/93	The SAFE 300 is a stand-alone fax encryptor that provides both public network security and office privacy with automatic fax encryption, confidential fax mailbox, and misdial protection.
Lexicon ICOT Corporation 3801 Zanker Road P.O. Box 5143 San Jose, CA 95150-5143 Bob Lynch (408) 433-3300	LEX-POS (Model 600)	Device Only	11/28/84	A Personal Identification Number (PIN) entry device; used in conjunction with financial transaction devices, 16 key keyboard, 20 character display, RS-232 compatible, Lexicon sold LEX-POS to ICOT Corporation.
LSI Logic/Dataco AS Smedeholm 12-14 DK-2730 Herlev Denmark Jens Kjelsbak 45 44 53 01 00	Dataco L5A4043 2030025402	ScaNET PC TCP/IP package; Gateway; IBM 3270 Gateway; Terminal Server; IBM S/3X Terminal Server; Buffered Repeater;	1/12/90	Custom DES IC was manufactured by LSI Logic for Dataco. The DES chip is designed for optional use in ScaNet local area network products.
Matsushita Electronic Components High Frequency Products Division One Panasonic Way Secaucus, NJ 07094 Dursun Sakarya (201) 348-7767	EBC 1642 IC Card	Card Only	3/13/91	Card is designed to be a high security external storage media housing an 8 bit CPU and 64 Kbit EEPROM.
Micro Card Technologies, Inc. 14070 Proton Road Dallas, TX 75244 Jeff Lang (214) 788-4055	Micro Card TB100 Integrated Circuit Card	TB100 Integrated Circuit Card Family	9/19/90	A multi-application integrated circuit card which can simultaneously support several application data files. Ciphering and deciphering functions may be used to encrypt or decrypt external messages using DES.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Morse Security Group, Inc. 12960 Bradley Avenue Sylmar, CA 91342-0128 Nalin Chheda (800) 423-5669 (818) 367-5951	TRAP 5200 System	Touch Response Alarm; Touch Response Trans- ponder;	4/17/90	Touch response alarm processor system, including a receiver processor located in a data gathering center and a series of transponders located at remote locations, contains DES to produce encrypted data that flows along a communication path.
Motorola Microprocessor Products Division 6501 William Cannon Drive West Austin, TX 78735-8598 Don Ponder (512) 440-2956	MC6859 (originally MGD68NE)	MC6859 Chip	2/11/80	Si-gate depletion mode, nMOS 24-pin DIP using single 5 volt power supply; implements ECB and CFB.
Motorola 1309 East Algonquin Road Shaumburg, IL 60196 James Osborn (312) 576-2251	TSW-2		11/12/81	Special purpose for internal use only.
Newbridge Microsystems 603 March Road Kanata, Ontario Canada K2K 2M5 Tony Rosati (613) 592-0714	CA95A		9/8/93	The CA95C Data Ciphering Processor implements the DES using the ECB, CFB, or CBC modes of operation. The CA95C provides a high throughput rate up to 11 Mbytes/second. Separate ports for key input, clear data and enciphered data are available.
	CA20C03A	Chip Only	4/10/91	A high performance WD20C03A compatible DES Data encryption processor with data transfer rates up to 4 Mbytes per second. Supports ECB and CBC; PLCC and PDIP packaging available.
Newnet S.A. Alsina 430 Buenos Aires 1087 Argentina Daniel Ramos 54 1 334 9732	Data Security Device (DSD 9612)	Chip Only	7/2/91	This device is based on an eight bit INTEL microprocessor with 8 Kbytes of EPROM. Transfer data at speeds of 1200 to 9600 bps and communicates with other devices via EIA RS-232-C ports.
Nixdorf Computer Corporation 168 Middlesex Turnpike Burlington, MA 01803 Kevin Madden (617) 890-3600	VEM Module	Not Available	1/7/80	The plug-in module is used with the Nixdorf 8864 CPU for encrypting data transmission blocks and file protection; may be used in terminal applications in the financial community; uses TTL.
Racal-Milgo P.O. Box 407044 Ft. Lauderdale, FL 33340-7044 Richard Abbruscato (305) 476-6800	Datacryptor	Datacryptor II; Datacryptor III; Dial- up Datacryptor II; Datacryptor II Model 1027 Standard 1027	1/7/80	Stand alone equipment with public key management remote distribution of master keys.
Rothenbuhler Engineering P.O. Box 708 2191 Rhodes Road Sedro Wolley, WA 98284-0708 Andrew Benson (206) 856-0836	CLS Series 5200 Encryption Module	CLS Series 5200 Polling System	3/19/91	The CLS Series 5200 Encryption Module is used in a system which communicates 8 channels of electronic security information between a client and a central monitoring facility.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Secur-Data Systems, Inc. Omega Center 7340 Executive Way, Suite R Frederick, MD 21701 Ronald Baum (301) 698-9955	DESPLEX	TMS; MP5	2/2/89	Used in a CF configuration as part of a firmware operating system for processing and transmission of alarm sensor data as well as receiving and annunciating data at an alarm monitoring facility.
Texas Instruments, Inc. P.O. Box 1443, M/S 736 Houston, TX 77001 Mike Polen (713) 274-3635	TMS 99541	TMS 7500 Chip; New name for the TMS 99521 Chip;	2/28/82	Preprogrammed TMS7020 8-bit single chip microprocessor; 40-pin DIP plastic package I/O pins are TTL compatible; master and active key registers.
UNIVAC P.O. Box 3942 St. Paul, MN 55165 Jim Nelson (612) 631-6728	End-End/Mass Storage Encryptor	Not Available	1/29/80	Prototype device for testing purposes only
VLSI Technology, Inc. 8375 S. River Parkway Tempe, AZ 85284 R. Slusarczyk (602) 752-8574	VM007 - Data Encryption Processor	VM007 Chip	1/6/92	The VM007 Data Encryption Processor is a programmable integrated circuit that provides a complete cryptographic system on a single chip. It contains a hardware implementation of the DES, RISC-based sequencer, data storage registers, and ROM-based microprogram. It is designed to provide very high data and key processing rates (up to 190 Megabits per second), flexible I/O inter-facing, advanced security features and supports all DES modes of operation. The VM007 is manufactured using 1.0 micron CMOS technology and is available in a 84-pin lead ceramic chip carrier.
	VM009 Data Encryption Processor	VM009B; VM009A80; VM009A86;		
	VM009 Data Encryption			
Wells Fargo Security Products A Unit of Baker Protective Services 1010 North Glebe Road, Suite 680 Arlington, VA 22201 William Martin (703) 247-4250	WP PN 5286/WP PN 5287	MP40/AS- 40; MP44/AS- 44;	5/26/89	The monitor panels are intended for use in a monitoring station of a proprietary intrusion detection alarm system.
Western Digital Corporation 2445 McCabe Way Irvine, CA 92714 Product Marketing Manager for Security Devices (714) 474-2033 X7853	WD-2001/WD2002	WD-2001 Chip; WD-2002 Chip;	8/9/79	Uses si-gate nMOS, TTL compatible; ECB speeds of up to 40 Kbytes/second, 161 Kbytes/second and 242 Kbytes/second.
	WD20C03 DES Device	WD-20C03 Chip	2/19/87	Uses si-gate CMOS, TTL compatible; ECB and CBC, speeds of up to 403 Kbytes/second, 645 Kbytes/second and 807 Kbytes/second in ECB.

7.7 FIPS 113, Computer Data Authentication Message Authentication Code (MAC) Implementations

Vendor/Contact	Implementation	Validated Options	Vendor/Contact	Implementation	Validated Options
1. ACS Communications Systems Inc. 480 Spring Park Place Suite 800 Herndon, VA 22070 Don Cole, (703) 471-0892	Personal Computer Security Module, PCSM-T May 16, 1986	BINARY OPTION (FIPS 113)	9. Digitech Telecommunications, Inc. 342 Madison Avenue Suite 2010 New York, NY 10017 James J. McKeeff, (212) 557-7230	Softnet Software, Version 1 June 29, 1987	BINARY OPTION (FIPS 113)
2. Federal Reserve Bank of Cleveland P.O.B. 6387 Cleveland, Ohio 44101 Dave Rich, (216) 579-2221	Jones Futurex PC Encryption Board FRS PC MAC Processor October 28, 1986	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING	10. Sytek, Inc. Rights transferred to AeT Research, Inc. on January 29, 1986 - see entry 17	MACbox June 30, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
3. Shannon Systems, Inc. Mountain View, CA Out of Business	Remote Crypto Facility Software Version 3.0 January 16, 1987	BINARY OPTION (FIPS 113)	AeT Research 675 North First Street Suite 800 San Jose, CA 95112 Linden Feldman, (408) 275-0820	PORT-OF-ENTRY Computer Security System Vers 1.2 (Software) August 17, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
4. Codercard, Inc. Rights transferred to LTRONICS Information Systems on Sept. 12, 1980 - see entry 23. LTRONICS Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626 Bob Gray, (714) 557-3444	Personal Computer Security Adaptor, CPS-300 Argus, Version 1 Software February 26, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE, NO EDITING CODED CHARACTERS; ENTIRE MESSAGE, EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS, NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS, EDITING	11. Inter-Quest, Inc. 16508 East Laser Drive Fountain Hills, AZ 85268 Charles Redding, (602) 948-2560	PC Security Module, RGL 800 RGL 800 Host PC C Driver Software, Version: V1.01 November 20, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
5. Jones Futurex, Inc. 10933 Trade Center Drive Rancho Cordova, CA 95670 Don Thompson, (916) 635-3672	MAC-310 Message Authenticator February 27, 1987	BINARY OPTION (FIPS 113)	12. Racal-Guardata Limited Richmond Court 309 Fleet Road Fleet, Hampshire GU13 8BU England Paul Halliden, (252) 622144, England	PC Security Module, RGL 800 RGL 800 Host PC C Driver Software, Version: V1.01 November 20, 1987	BINARY OPTION (FIPS 113)
6. Infomax Securities 6674 Sandpiper Place Carlsbad, CA 92009 David Howard, (619) 931-8787	Protecom Crypto Processor Protecom Device Driver & Utilities, Version 0.5 March 27, 1987	BINARY OPTION (FIPS 113)	13. The Chase Manhattan Bank, N.A. 1 Seaport Plaza 11th Floor New York, New York 10038 Bob Marlian, (212) 797-4038	C-FIMAS 16 Software, Version 1.0 December 8, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
7. Inter-Quest, Inc. 16508 E. Laser Drive Fountain Hills, AZ 85268 Charles Redding, (602) 948-2560	PORT-OF-ENTRY Computer Security System Vers. 1.1 (Software) May 8, 1987	BINARY OPTION (FIPS 113)	14. Atalla Corporation 2304 Zanker Road San Jose, CA 95131 Dale Hopkins, (408) 435-8850	Personal Computer Module, CPCM CPCM.HEX Software, Version OA 13-2043-01 January 11, 1988	BINARY OPTION (FIPS 113)
8. Infomax Securities 6674 Sandpiper Place Carlsbad, CA 92009 David Howard, (619) 931-8787	Protecom Crypto Processor Protecom Device Driver & Utilities, Version 0.6 May 11, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING			

Message Authentication Code (MAC) Implementations, *Continued*

Vendor/Contact	Implementation	Validated Options	Vendor/Contact	Implementation	Validated Options
16. GN Telematic, Inc. 46 Manning Road Billerica, MA 01821 Poul Hebegaard, (617) 667-8644	safeMatic 2000, KB76-17527 Coded Character Set Processing Software, Model KB77-17012, Version A February 3, 1988	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDIT- ING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING	22. Racal-Guardata, Inc 480 Spring Park Place Suite 600 Herndon, VA 22070 Brian Bucholz, (703) 471-0892	X9 Crypto Server June 1, 1990	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MES- SAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MES- SAGE ELEMENTS; EDITING
17. AeT Research 675 North First Street Suite 800 San Jose, CA 95112 Originally validated on June 30, 1987 as a Sylek, Inc. device - see entry 10. Linden Feldman, (408) 275-0820	MACbox August 8, 1988	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDIT- ING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING	23. LITRONIC Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626 Flights transferred on September 12, 1990 Bob Gray, (714) 545-8849 James Prohaska, (703) 980-8088	Personal Computer Security Adapter Argus, Version 1 Software** Originally validated by Codercard, Inc. on February 26, 1987 - see entry 4.	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MES- SAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MES- SAGE ELEMENTS; EDITING
18. Atalla Corporation 2304 Zanker Road San Jose, CA 95131 Dale Hopkins, (408) 435-8850	Personal Computer Module, MN-40-249 CPCM.HEX Software, Version OE 13-2043-00 September 28, 1988	BINARY OPTION (FIPS 113)	24. IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257 Roger Evans, (704) 594-7080	4755 Cryptographic Adapter October 15, 1990	BINARY OPTION (FIPS 113)
19. Cypher Communica- tions Technology, Inc. 4520 East-West High- way Suite 550 Bethesda, MD 20814 Angel Bailey, (301) 652-8790	CYCOM SCI AX3 5.01, Version 10084002 February 2, 1989	BINARY OPTION (FIPS 113)	25. IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257 Roger Evans, (704) 594-7080	4754 Security Interface Unit October 15, 1990	BINARY OPTION (FIPS 113)
20. Dial-Guard 55 Koch Road/PO Box 7045 Corte Madera, CA 94925 Shun-Hwa Cheng or Trone Miller, (415) 927-2232	Dial-Guard Remote Authenti- cator 01-103, Version 2.0 Rev. 0 March 6, 1989	BINARY OPTION (FIPS 113)	26. IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257 Roger Evans, (704) 594-7080	IBM Personal Security Card October 15, 1990	BINARY OPTION (FIPS 113)
21. Oldok Data 3945 St. Martin Laval, Quebec, Canada H7T 1B7 Claude Vigeant, (514) 681-1681	RAC/M FAS-PACK, Version 1.0 April 24, 1989	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDIT- ING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING	27. Cypher Communica- tions Technology, Inc. 15200 Shady Grove Rd. Suite 350 Rockville, MD 20850 Angel Bailey, (301) 590-8314	CYCOM SCI/SL 98 AX5 5.03, Version 10084012 December 19, 1990	BINARY OPTION (FIPS 113)
			28. Cypher Communica- tions Technology, Inc. 15200 Shady Grove Rd. Suite 350 Rockville, MD 20850 Angel Bailey, (301) 590-8314	CYCOM SCI 182 AX7 5.05, Version 10084020 January 10, 1991	BINARY OPTION (FIPS 113)

Message Authentication Code (MAC) Implementations, *Continued*

Vendor/Contact	Implementation	Validated Options
29. Digital Equipment Corporation Digital Drive - MK01-2/B06 Merrimack, NH 03054 Steve Lawrence, (603) 884-3445	PIN Pad 201 SMD Model: P003-120-XX March 25, 1991	BINARY OPTION (FIPS 113)
30. Information Security Corporation 1141 Lake Cook Road Suite D Deerfield, IL 60015 Michael Markowitz, (708) 405-0500	DES Module used in SpyProof July 10, 1991	BINARY OPTION (FIPS 113)
31. Digital Signature Validated by Information Security Corporation 1115 N. East Avenue Oak Park, IL 60302 Michael Markowitz, (708) 405-0500	DES Module used in CryptMaster (3.20) and SecretAgent (1.00) July 15, 1991	BINARY OPTION (FIPS 113)
32. The Exchange Systems 15395 SE 30th Place Bellevue, WA 98007- 6594 Robert Adamson, (206) 644-7000 X255	PCE-3000 (IBM PS/2 Microchannel) January 8, 1992	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
33. The Exchange Systems 15395 SE 30th Place Bellevue, WA 98007- 6594 Robert Adamson, (206) 644-7000 X255	PCE-1000 ISA Adaptor January 9, 1992	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING

7.8 FIPS 171, Key Management Validation Using ANSI X9.17

Vendor/Contact	Implementation	Validated Options	Vendor/Contact	Implementation	Validated Options
1. LITRONICS Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626 (Originally validated by Codercard; rights transferred on September 11, 1990) Bob Gray, (714) 545-8649 James Prohaska, (703) 960-8068	Hardware: <u>Argus-PC</u> , Model: <u>CMS-100</u> Software: <u>Argus/MACE</u> Software, Version: <u>1.0</u> September 23, 1988	No. of communicating pairs: <u>2</u> No. of manual (*)KKs per comm. pair: <u>2</u> Length of manual and auto. (*)KKs: <u>PAIR</u> Key generation capability: <u>YES</u> Number of auto. distr. (*)KKs shared: <u>UP TO 4</u> Number of KDs shared: <u>UP TO 8</u> 2 KDs in KSMS: <u>SOMETIMES</u> Send RSI messages: <u>NOT</u> <u>TESTED</u> Receive RSI messages: <u>NOT</u> <u>TESTED</u> Notarization of keys in KSMS: <u>ALWAYS</u> Send odd parity on keys in KSMS: <u>ALWAYS</u> Send IVs in KSMS: <u>SOMETIMES</u> Send encrypted IVs in KSMS: <u>ALWAYS</u> Send EDCs in RSIs and ESMs: <u>ALWAYS</u> Action if EDC received in RSIs and ESMs: <u>NOT APPLICABLE</u> Send EDKs in KSMS: <u>SOMETIMES</u> Action on count error: <u>ADJUST COUNT</u> Send DSMs: <u>YES</u> Receive DSMs: <u>YES</u> IDA in DSM if only one KD can be shared: <u>YES</u> Role assumed: <u>EITHER A OR B</u> Automatic error recovery: <u>NOT</u> <u>TESTED</u> Space & CRLF as field delimiter: <u>NOT TESTED</u>	3. TECHNICAL COMMUNICATIONS CORPORATION 100 Domino Drive CONCORD, Massachusetts 01742 John Gill, (617) 862-8035	Hardware: <u>CX5000</u> Software: <u>Version: 2.0</u> May 15, 1991	No. of communicating pairs: <u>1</u> No. of manual (*)KKs per comm. pair: <u>2</u> Length of manual and auto. (*)KKs: <u>PAIR</u> Key generation capability: <u>YES</u> Number of auto. distr. (*)KKs shared: <u>4</u> Number of KDs shared: <u>1</u> 2 KDs in KSMS: <u>NEVER</u> Send RSI messages: <u>NOT</u> <u>TESTED</u> Receive RSI messages: <u>NOT</u> <u>TESTED</u> Notarization of keys in KSMS: <u>ALWAYS</u> Send odd parity on keys in KSMS: <u>ALWAYS</u> Send IVs in KSMS: <u>SOMETIMES</u> Send encrypted IVs in KSMS: <u>ALWAYS</u> Send EDCs in RSIs and ESMs: <u>ALWAYS</u> Action if EDC received in RSIs and ESMs: <u>NOT</u> <u>APPLICABLE</u> Send EDKs in KSMS: <u>NEVER</u> Action on count error: <u>ADJUST COUNT</u> Send DSMs: <u>YES</u> Receive DSMs: <u>YES</u> IDA in DSM if only one KD can be shared: <u>YES</u> Role assumed: <u>EITHER A OR B</u> Automatic error recovery: <u>NOT</u> <u>TESTED</u> Space & CRLF as field delimiter: <u>NOT TESTED</u>
2. TECHNICAL COMMUNICATIONS CORPORATION 100 Domino Drive CONCORD, Massachusetts 01742 John Gill, (617) 862- 8035	Hardware: <u>CX5000A</u> Software: <u>Version: 1.0</u> May 8, 1991	No. of communicating pairs: <u>1</u> No. of manual (*)KKs per comm. pair: <u>2</u> Length of manual and auto. (*)KKs: <u>PAIR</u> Key generation capability: <u>YES</u> Number of auto. distr. (*)KKs shared: <u>0</u> Number of KDs shared: <u>1</u> 2 KDs in KSMS: <u>NEVER</u> Send RSI messages: <u>NOT</u> <u>TESTED</u> Receive RSI messages: <u>NOT</u> <u>TESTED</u> Notarization of keys in KSMS: <u>ALWAYS</u> Send odd parity on keys in KSMS: <u>ALWAYS</u> Send IVs in KSMS: <u>SOMETIMES</u> Send encrypted IVs in KSMS: <u>ALWAYS</u> Send EDCs in RSIs and ESMs: <u>ALWAYS</u> Action if EDC received in RSIs and ESMs: <u>NOT</u> <u>APPLICABLE</u> Send EDKs in KSMS: <u>NEVER</u> Action on count error: <u>ADJUST COUNT</u> Send DSMs: <u>YES</u> Receive DSMs: <u>YES</u> IDA in DSM if only one KD can be shared: <u>YES</u> Role assumed: <u>EITHER A OR B</u> Automatic error recovery: <u>NOT</u> <u>TESTED</u> Space & CRLF as field delimiter: <u>NOT TESTED</u>	4. COMMUNICATION DEVICES, INC. 1 Forstmann Court Clifton, NJ 07011 Gene Hartsell, (201) 772-6867	Hardware: <u>RSD/E</u> Software: <u>Version 7.2</u>	No. of communicating pairs: <u>1</u> No. of manual (*)KKs per comm. pair: <u>1</u> Length of manual and auto. (*)KKs: <u>PAIR</u> Key generation capability: <u>NO</u> Number of auto. distr. (*)KKs shared: <u>0</u> Number of KDs shared: <u>1</u> 2 KDs in KSMS: <u>NEVER</u> Send RSI messages: <u>NOT</u> <u>TESTED</u> Receive RSI messages: <u>NOT</u> <u>TESTED</u> Notarization of keys in KSMS: <u>ALWAYS</u> Send odd parity on keys in KSMS: <u>ALWAYS</u> Send IVs in KSMS: <u>SOMETIMES</u> Send encrypted IVs in KSMS: <u>ALWAYS</u> Send EDCs in RSIs and ESMs: <u>ALWAYS</u> Action if EDC received in RSIs and ESMs: <u>NOT APPLICABLE</u> Send EDKs in KSMS: <u>NEVER</u> Action on count error: <u>ADJUST COUNT</u> Send DSMs: <u>YES</u> Receive DSMs: <u>YES</u> IDA in DSM if only one KD can be shared: <u>YES</u> Role assumed: <u>EITHER A OR B</u> Automatic error recovery: <u>NOT</u> <u>TESTED</u> Space & CRLF as field delimiter: <u>NOT TESTED</u> Number of communicating pairs: <u>1</u> Number of manual (*)KKs per comm. pair: <u>2</u> Length of manual and

APPENDIX A

FIPS CONFORMANCE TESTING PRODUCTS AND SERVICES

APPENDIX A

FIPS CONFORMANCE TESTING PRODUCTS AND SERVICES

The purpose of this appendix is to provide information about products and services that are available to Federal Agencies for assessing products for conformance to FIPS.

The entries in this list identify the topic, the standard tested, the NIST contact, and the product or service offered. The letters T, S, or C in the Product/Service column indicate a test method, testing service, or certificate/registered report respectively.

<u>TOPIC</u>	<u>STANDARD</u>	<u>CONTACT</u>	<u>PRODUCT/SERVICE</u>
COBOL	FIPS PUB 21-3	Judy Kailey NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3259	T, S, C
Fortran	FIPS PUB 69-1	Judy Kailey NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3259	T, S, C
Pascal	FIPS PUB 109	Carmelo Montanez (Technical) NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2398 Judy Kailey (Scheduling) (301) 975-3259	T, S, C
C	FIPS PUB 160	Carmelo Montanez (Technical) NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2398 Judy Kailey (Scheduling) (301) 975-3259	T, S, C
Ada	FIPS PUB 119	William Dashiell NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2490	T, S, C
MUMPS	FIPS PUB 125	William Dashiell NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2490	T, S, C

<u>TOPIC</u>	<u>STANDARD</u>	<u>CONTACT</u>	<u>PRODUCT/SERVICE</u>
SQL	FIPS PUB 127-1	Joan Sullivan NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3258	T, S, C
GKS	FIPS PUB 120	Susan (Quinn) Sherrick NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3268	T, S, C
CGM	FIPS PUB 128 MIL-D-28003	Lynne Rosenthal NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3353	T, S, C
PHIGS	FIPS PUB 153 ANSI/ISO 9592.1-1989	Kevin Brady NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3644	T, S, C
Raster	FIPS PUB 150 MIL-R-28002	Frank Spielman NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3257	T
IRDS	FIPS PUB 156	Alan Goldfine NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3252	T, S, C
POSIX	FIPS PUB 151-2	Martha Gray NIST, Bldg. 225, Rm. B266 Gaithersburg, MD 20899 (301) 975-3276	T, S, C
Message Authentication	FIPS PUB 113	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C
Key Management Validation	FIPS PUB 171 ANSI X9.17	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C
Data Encryption Standard	FIPS PUB 46-1	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C

<u>TOPIC</u>	<u>STANDARD</u>	<u>CONTACT</u>	<u>PRODUCT/SERVICE</u>
GOSIP	FIPS PUB 146	J. P. Favreau NIST, Bldg. 225, Rm B217 Gaithersburg, MD 20899 (301) 975-3634	T, S
1984 X25	CCITT X.25-1984 ISO 7776, ISO 8208 ISO 8882, ISO 9646 FIPS PUB 100-1	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN	FIPS PUB 182	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Physical Layer	ANSI T1.605 (S/T Interface) ANSI T1.601 (U Interface)	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Data Link Layer	CCITT Q.921 ANSI T1.602	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Network Layer	ANSI T1.607 ANSI T1.608 FIPS PUB	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
FDDI	ANSI X3T9	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T

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